

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Houston

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Tel: (713)690-4444

TestAmerica Job ID: 600-105334-1

Client Project/Site: CB&I Federal Services LLC . . – Houston

For:

CB&I Federal Services LLC

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Authorized for release by:

1/27/2015 6:14:41 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Job ID: 600-105334-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative 600-105334-1

Comments

No additional comments.

Receipt

The samples were received on 1/20/2015 12:07 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.6° C and 0.9° C.

Except:

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

Pensacola received ICOC for 600-105334-1. However, we did not receive ICOC for 600-105334-2.

Trip Blank (600-105334-2)

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method(s) 8270C: The following sample(s) was diluted due to color, odor, appearance, viscosity, etc.>>: (600-105334-1 MS), FT1001 (600-105334-1). Elevated reporting limits (RL) are provided.

Method(s) 8270C: The matrix spike (MS) for batch 154418 exceeded control limits for the following analyte(s): Pyridine. Note that this analyte is a known poor performer when analyzed using this method.

Method(s) 8270C: The following sample(s) was diluted due to the nature of the sample matrix: FT1001 (600-105334-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample(s) required a dilution due to the nature of the sample matrix: FT1001 (600-105334-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270C: The laboratory control sample (LCS) for batch 154475 recovered outside control limits for the following analyte(s): Benzidine. Benzidine has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) TX 1005: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: FT1001 (600-105334-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 154486 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8151A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 154476 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8151A: Surrogate recovery for the following sample(s) was outside control limits: FT1001 (600-105334-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Job ID: 600-105334-1 (Continued)

Laboratory: TestAmerica Houston (Continued)

Method(s) 8081A: Surrogate recovery for the following sample(s) was outside control limits: FT1001 (600-105334-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8081A: The following sample(s) was diluted due to dark and oily color.>>: FT1001 (600-105334-1). Elevated reporting limits (RL) are provided.

Method(s) 8081A: The continuing calibration verification (CCV) associated with batch 154605 recovered above the upper control limit for Toxaphene(24.6%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 600-154605/5).

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 154552 recovered above the upper control limit for 2,4,5-TP(16.8%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 600-154552/25).

Method(s) 8151A: The continuing calibration verification (CCV) associated with batch 154552 recovered above the upper control limit for 2,4,5-T(18.6%), 2,4-DB(27%), and Dinoseb(72.2%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 600-154552/19).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method(s) 1311: Insufficient sample was provided to perform the leaching procedure with the required 100g for the following sample(s): (600-105334-1 MS), FT1001 (600-105334-1). The volume of leaching fluid was adjusted proportionally to maintain a 20:1 ratio of leaching fluid to weight of sample. Reporting limits (RLs) are not affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method(s) 1311: Sample (600-105334-1), FT1001 (600-105334-1) was filtered at Test America Houston.

Method(s) 3510C: Insufficient sample volume was not available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <154413>.

Method(s) 3510C: Insufficient sample volume was not available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <154418>.

Method(s) 3510C: Insufficient sample volume was not available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <154475>.

Method(s) 3510C: Due to the matrix, the following sample(s) could not be concentrated to the final method required volume: FT1001 (600-105334-1). The reporting limits (RLs) are elevated proportionately.

Method(s) 8151A: Insufficient sample volume was not available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <154476>.

Method(s) 3510C: Insufficient sample volume was not available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch <154486>.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Method Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL HOU
8081A	Organochlorine Pesticides (GC)	SW846	TAL HOU
8151A	Herbicides (GC)	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
6010B	Metals (ICP)	SW846	TAL NSH
7470A	Mercury (CVAA)	SW846	TAL HOU
7.4.4	Reactive Sulfide	EPA	TAL HOU
9012	Cyanide, Reactive	SW846	TAL HOU
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH
9040B	Corrosivity as pH	SW846	TAL HOU
D1796	Water and Sediment in Fuel Oils	ASTM	TAL CC
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL HOU
SW846 Ch. 7	Ignitability	SW846	TAL HOU

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . – Houston

TestAmerica Job ID: 600-105334-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-105334-1	FT1001	Water	01/20/15 09:45	01/20/15 12:07

1

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Client Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Client Sample ID: FT1001

Lab Sample ID: 600-105334-1

Matrix: Water

Date Collected: 01/20/15 09:45

Date Received: 01/20/15 12:07

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00415	U	0.00500	0.00415	mg/L			01/25/15 19:23	5
Vinyl chloride	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Bromomethane	0.00490	U	0.00500	0.00490	mg/L			01/25/15 19:23	5
Chloroethane	0.00380	U	0.00500	0.00380	mg/L			01/25/15 19:23	5
1,1-Dichloroethene	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
trans-1,2-Dichloroethene	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Acetone	0.930		0.125	0.0500	mg/L			01/25/15 19:23	5
Carbon disulfide	0.0218		0.00500	0.00250	mg/L			01/25/15 19:23	5
Methylene Chloride	0.0150	U	0.0250	0.0150	mg/L			01/25/15 19:23	5
Vinyl acetate	0.0100	U	0.125	0.0100	mg/L			01/25/15 19:23	5
cis-1,2-Dichloroethene	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
1,2-Dichloroethene, Total	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
2-Butanone (MEK)	0.179		0.125	0.0130	mg/L			01/25/15 19:23	5
Chlorobromomethane	0.00260	U	0.00500	0.00260	mg/L			01/25/15 19:23	5
Carbon tetrachloride	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Benzene	0.0136		0.00500	0.00190	mg/L			01/25/15 19:23	5
1,2-Dichloroethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Trichloroethene	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
1,1,1-Trichloroethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
1,1-Dichloroethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
1,2-Dichloropropane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Chloroform	0.00300	U	0.00500	0.00300	mg/L			01/25/15 19:23	5
Bromodichloromethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
cis-1,3-Dichloropropene	0.00250	U	0.0250	0.00250	mg/L			01/25/15 19:23	5
4-Methyl-2-pentanone (MIBK)	0.0937	J	0.125	0.00900	mg/L			01/25/15 19:23	5
Toluene	0.508		0.00500	0.00350	mg/L			01/25/15 19:23	5
trans-1,3-Dichloropropene	0.00250	U	0.0250	0.00250	mg/L			01/25/15 19:23	5
1,1,2-Trichloroethane	0.00250	U	0.0250	0.00250	mg/L			01/25/15 19:23	5
Tetrachloroethene	0.00290	U	0.00500	0.00290	mg/L			01/25/15 19:23	5
2-Hexanone	0.0155	U	0.125	0.0155	mg/L			01/25/15 19:23	5
Dibromochloromethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Chlorobenzene	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Ethylbenzene	0.322		0.00500	0.00250	mg/L			01/25/15 19:23	5
m-Xylene & p-Xylene	1.34		0.0250	0.00800	mg/L			01/25/15 19:23	5
Xylenes, Total	1.82		0.0250	0.00300	mg/L			01/25/15 19:23	5
o-Xylene	0.480		0.0250	0.00300	mg/L			01/25/15 19:23	5
Styrene	0.00500	U	0.00500	0.00500	mg/L			01/25/15 19:23	5
Bromoform	0.00355	U	0.0250	0.00355	mg/L			01/25/15 19:23	5
1,1,2,2-Tetrachloroethane	0.00250	U	0.00500	0.00250	mg/L			01/25/15 19:23	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		67 - 134					01/25/15 19:23	5
Dibromofluoromethane	98		81 - 121					01/25/15 19:23	5
Toluene-d8 (Surr)	102		80 - 120					01/25/15 19:23	5
4-Bromofluorobenzene	104		78 - 118					01/25/15 19:23	5

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00759	J	0.0250	0.00170	mg/L			01/24/15 15:54	5
Carbon tetrachloride	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Client Sample ID: FT1001

Date Collected: 01/20/15 09:45

Date Received: 01/20/15 12:07

Lab Sample ID: 600-105334-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5
Chloroform	0.00300	U	0.0250	0.00300	mg/L			01/24/15 15:54	5
1,4-Dichlorobenzene	0.00320	U	0.0250	0.00320	mg/L			01/24/15 15:54	5
1,2-Dichloroethane	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5
1,1-Dichloroethene	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5
2-Butanone (MEK)	0.171		0.125	0.0130	mg/L			01/24/15 15:54	5
Tetrachloroethene	0.00290	U	0.0250	0.00290	mg/L			01/24/15 15:54	5
Trichloroethene	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5
Vinyl chloride	0.00250	U	0.0250	0.00250	mg/L			01/24/15 15:54	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		78 - 118					01/24/15 15:54	5
Dibromofluoromethane	108		81 - 121					01/24/15 15:54	5
Toluene-d8 (Surr)	94		80 - 120					01/24/15 15:54	5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.908	U	4.00	0.908	mg/L			01/23/15 17:41	13
Acenaphthylene	0.916	U	4.00	0.916	mg/L			01/23/15 17:41	13
Anthracene	0.996	U	4.00	0.996	mg/L			01/23/15 17:41	13
Benzidine	7.17	U *	20.0	7.17	mg/L			01/23/15 17:41	13
Benzo[a]anthracene	0.844	U	4.00	0.844	mg/L			01/23/15 17:41	13
Benzo[b]fluoranthene	1.00	U	4.00	1.00	mg/L			01/23/15 17:41	13
Benzo[k]fluoranthene	1.20	U	4.00	1.20	mg/L			01/23/15 17:41	13
Benzo[g,h,i]perylene	0.844	U	4.00	0.844	mg/L			01/23/15 17:41	13
Benzo[a]pyrene	0.984	U	4.00	0.984	mg/L			01/23/15 17:41	13
Bis(2-chloroethoxy)methane	1.16	U	4.00	1.16	mg/L			01/23/15 17:41	13
Bis(2-chloroethyl)ether	1.05	U	4.00	1.05	mg/L			01/23/15 17:41	13
Bis(2-ethylhexyl) phthalate	0.968	J	4.00	0.904	mg/L			01/23/15 17:41	13
4-Bromophenyl phenyl ether	1.00	U	4.00	1.00	mg/L			01/23/15 17:41	13
Butyl benzyl phthalate	0.944	U	4.00	0.944	mg/L			01/23/15 17:41	13
4-Chloroaniline	0.844	U	4.00	0.844	mg/L			01/23/15 17:41	13
2-Chloronaphthalene	1.12	U	4.00	1.12	mg/L			01/23/15 17:41	13
4-Chlorophenyl phenyl ether	0.876	U	4.00	0.876	mg/L			01/23/15 17:41	13
Carbazole	1.19	U	4.00	1.19	mg/L			01/23/15 17:41	13
Chrysene	0.824	U	4.00	0.824	mg/L			01/23/15 17:41	13
Di-n-butyl phthalate	0.836	U	4.00	0.836	mg/L			01/23/15 17:41	13
Dibenz(a,h)anthracene	0.992	U	4.00	0.992	mg/L			01/23/15 17:41	13
Dibenzofuran	0.912	U	4.00	0.912	mg/L			01/23/15 17:41	13
1,2-Dichlorobenzene	0.964	U	4.00	0.964	mg/L			01/23/15 17:41	13
1,3-Dichlorobenzene	1.06	U	4.00	1.06	mg/L			01/23/15 17:41	13
1,4-Dichlorobenzene	0.776	U	4.00	0.776	mg/L			01/23/15 17:41	13
3,3'-Dichlorobenzidine	0.948	U	4.00	0.948	mg/L			01/23/15 17:41	13
Diethyl phthalate	1.04	U	4.00	1.04	mg/L			01/23/15 17:41	13
Dimethyl phthalate	0.988	U	4.00	0.988	mg/L			01/23/15 17:41	13
2,4-Dinitrotoluene	0.844	U	4.00	0.844	mg/L			01/23/15 17:41	13
2,6-Dinitrotoluene	1.12	U	4.00	1.12	mg/L			01/23/15 17:41	13
Di-n-octyl phthalate	0.748	U	4.00	0.748	mg/L			01/23/15 17:41	13
Fluoranthene	0.976	U	4.00	0.976	mg/L			01/23/15 17:41	13
Fluorene	0.844	U	4.00	0.844	mg/L			01/23/15 17:41	13

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Client Sample ID: FT1001

Date Collected: 01/20/15 09:45

Date Received: 01/20/15 12:07

Lab Sample ID: 600-105334-1

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	1.31	U	4.00	1.31	mg/L		01/23/15 17:41	01/26/15 18:12	50
Hexachlorocyclopentadiene	0.928	U	4.00	0.928	mg/L		01/23/15 17:41	01/26/15 18:12	50
Hexachloroethane	1.32	U	4.00	1.32	mg/L		01/23/15 17:41	01/26/15 18:12	50
Hexachlorobutadiene	1.03	U	4.00	1.03	mg/L		01/23/15 17:41	01/26/15 18:12	50
Indeno[1,2,3-cd]pyrene	1.24	U	4.00	1.24	mg/L		01/23/15 17:41	01/26/15 18:12	50
Isophorone	1.06	U	4.00	1.06	mg/L		01/23/15 17:41	01/26/15 18:12	50
2-Methylnaphthalene	1.03	U	4.00	1.03	mg/L		01/23/15 17:41	01/26/15 18:12	50
Naphthalene	1.28	J	4.00	0.880	mg/L		01/23/15 17:41	01/26/15 18:12	50
2-Nitroaniline	1.52	U	4.00	1.52	mg/L		01/23/15 17:41	01/26/15 18:12	50
3-Nitroaniline	0.740	U	4.00	0.740	mg/L		01/23/15 17:41	01/26/15 18:12	50
4-Nitroaniline	0.936	U	4.00	0.936	mg/L		01/23/15 17:41	01/26/15 18:12	50
Nitrobenzene	1.04	U	4.00	1.04	mg/L		01/23/15 17:41	01/26/15 18:12	50
N-Nitrosodimethylamine	0.556	U	4.00	0.556	mg/L		01/23/15 17:41	01/26/15 18:12	50
N-Nitrosodiphenylamine	0.804	U	4.00	0.804	mg/L		01/23/15 17:41	01/26/15 18:12	50
N-Nitrosodi-n-propylamine	1.28	U	4.00	1.28	mg/L		01/23/15 17:41	01/26/15 18:12	50
Phenanthrene	0.896	U	4.00	0.896	mg/L		01/23/15 17:41	01/26/15 18:12	50
Pyrene	1.20	U	4.00	1.20	mg/L		01/23/15 17:41	01/26/15 18:12	50
1,2,4-Trichlorobenzene	0.820	U	4.00	0.820	mg/L		01/23/15 17:41	01/26/15 18:12	50
Benzyl alcohol	0.792	U	4.00	0.792	mg/L		01/23/15 17:41	01/26/15 18:12	50
4-Chloro-3-methylphenol	0.788	U	4.00	0.788	mg/L		01/23/15 17:41	01/26/15 18:12	50
2-Chlorophenol	0.876	U	4.00	0.876	mg/L		01/23/15 17:41	01/26/15 18:12	50
2-Methylphenol	0.568	U	4.00	0.568	mg/L		01/23/15 17:41	01/26/15 18:12	50
3 & 4 Methylphenol	0.540	U	4.00	0.540	mg/L		01/23/15 17:41	01/26/15 18:12	50
2,4-Dichlorophenol	0.864	U	4.00	0.864	mg/L		01/23/15 17:41	01/26/15 18:12	50
2,4-Dimethylphenol	0.776	U	4.00	0.776	mg/L		01/23/15 17:41	01/26/15 18:12	50
4,6-Dinitro-2-methylphenol	1.34	U	4.00	1.34	mg/L		01/23/15 17:41	01/26/15 18:12	50
2,4-Dinitrophenol	2.18	U	4.00	2.18	mg/L		01/23/15 17:41	01/26/15 18:12	50
2-Nitrophenol	0.840	U	4.00	0.840	mg/L		01/23/15 17:41	01/26/15 18:12	50
4-Nitrophenol	1.12	U	4.00	1.12	mg/L		01/23/15 17:41	01/26/15 18:12	50
Pentachlorophenol	1.26	U	4.00	1.26	mg/L		01/23/15 17:41	01/26/15 18:12	50
Phenol	0.500	U	4.00	0.500	mg/L		01/23/15 17:41	01/26/15 18:12	50
2,4,5-Trichlorophenol	1.68	U	4.00	1.68	mg/L		01/23/15 17:41	01/26/15 18:12	50
2,4,6-Trichlorophenol	1.33	U	4.00	1.33	mg/L		01/23/15 17:41	01/26/15 18:12	50
bis (2-Chloroisopropyl) ether	1.17	U	4.00	1.17	mg/L		01/23/15 17:41	01/26/15 18:12	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	
Nitrobenzene-d5	0	X	24 - 150		01/23/15 17:41	01/26/15 18:12	50
2-Fluorophenol	0	X	10 - 130		01/23/15 17:41	01/26/15 18:12	50
2-Fluorobiphenyl	0	X	38 - 133		01/23/15 17:41	01/26/15 18:12	50
2,4,6-Tribromophenol	0	X	19 - 150		01/23/15 17:41	01/26/15 18:12	50
Terphenyl-d14	0	X	35 - 150		01/23/15 17:41	01/26/15 18:12	50
Phenol-d5 (Surr)	0	X	10 - 130		01/23/15 17:41	01/26/15 18:12	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0890	U	0.500	0.0890	mg/L		01/23/15 17:31	01/26/15 12:01	10
2,4-Dinitrotoluene	0.132	U	0.500	0.132	mg/L		01/23/15 17:31	01/26/15 12:01	10
2,4,5-Trichlorophenol	0.136	U	0.500	0.136	mg/L		01/23/15 17:31	01/26/15 12:01	10
2,4,6-Trichlorophenol	0.129	U	0.500	0.129	mg/L		01/23/15 17:31	01/26/15 12:01	10
2-Methylphenol	0.104	J	0.500	0.0905	mg/L		01/23/15 17:31	01/26/15 12:01	10

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . . - Houston

Client Sample ID: FT1001

Lab Sample ID: 600-105334-1

Date Collected: 01/20/15 09:45

Matrix: Water

Date Received: 01/20/15 12:07

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	0.168	J	1.00	0.0940	mg/L		01/23/15 17:31	01/26/15 12:01	10
Hexachlorobenzene	0.130	U	0.500	0.130	mg/L		01/23/15 17:31	01/26/15 12:01	10
Hexachlorobutadiene	0.106	U	0.500	0.106	mg/L		01/23/15 17:31	01/26/15 12:01	10
Hexachloroethane	0.110	U	0.500	0.110	mg/L		01/23/15 17:31	01/26/15 12:01	10
Nitrobenzene	0.124	U	0.500	0.124	mg/L		01/23/15 17:31	01/26/15 12:01	10
Pentachlorophenol	0.231	U	2.50	0.231	mg/L		01/23/15 17:31	01/26/15 12:01	10
Pyridine	0.108	U	0.500	0.108	mg/L		01/23/15 17:31	01/26/15 12:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	87		35 - 130	01/23/15 17:31	01/26/15 12:01	10
<i>2-Fluorophenol</i>	72		10 - 130	01/23/15 17:31	01/26/15 12:01	10
<i>2-Fluorobiphenyl</i>	97		41 - 130	01/23/15 17:31	01/26/15 12:01	10
<i>2,4,6-Tribromophenol</i>	94		12 - 138	01/23/15 17:31	01/26/15 12:01	10
<i>Terphenyl-d14</i>	99		43 - 130	01/23/15 17:31	01/26/15 12:01	10
<i>Phenol-d5 (Surr)</i>	68		10 - 130	01/23/15 17:31	01/26/15 12:01	10

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0000350	U	0.000500	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
4,4'-DDE	0.0000350	U	0.000500	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
4,4'-DDT	0.0000400	U	0.000500	0.0000400	mg/L		01/23/15 11:10	01/26/15 20:32	10
Aldrin	0.0000300	U	0.000250	0.0000300	mg/L		01/23/15 11:10	01/26/15 20:32	10
alpha-BHC	0.0000350	U	0.000250	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
beta-BHC	0.0000400	U	0.000250	0.0000400	mg/L		01/23/15 11:10	01/26/15 20:32	10
Chlordane (n.o.s.)	0.000300	U	0.000500	0.000300	mg/L		01/23/15 11:10	01/26/15 20:32	10
delta-BHC	0.0000250	U	0.000250	0.0000250	mg/L		01/23/15 11:10	01/26/15 20:32	10
Dieldrin	0.0000350	U	0.000500	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
Endosulfan I	0.0000350	U	0.000250	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
Endosulfan II	0.00116		0.000500	0.000500	mg/L		01/23/15 11:10	01/26/15 20:32	10
Endosulfan sulfate	0.000125	U	0.000500	0.000125	mg/L		01/23/15 11:10	01/26/15 20:32	10
Endrin	0.0000350	U	0.000500	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
Endrin aldehyde	0.0000350	U	0.000500	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
gamma-BHC (Lindane)	0.0000300	U	0.000250	0.0000300	mg/L		01/23/15 11:10	01/26/15 20:32	10
Heptachlor	0.0000300	U	0.000250	0.0000300	mg/L		01/23/15 11:10	01/26/15 20:32	10
Heptachlor epoxide	0.0000350	U	0.000250	0.0000350	mg/L		01/23/15 11:10	01/26/15 20:32	10
Methoxychlor	0.0000450	U	0.000250	0.0000450	mg/L		01/23/15 11:10	01/26/15 20:32	10
Toxaphene	0.0122	U	0.0250	0.0122	mg/L		01/23/15 11:10	01/26/15 20:32	10
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
<i>DCB Decachlorobiphenyl</i>	787	X	36 - 144	01/23/15 11:10	01/26/15 20:32	10			
<i>Tetrachloro-m-xylene</i>	48		32 - 143	01/23/15 11:10	01/26/15 20:32	10			

Method: 8081A - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000300	U	0.000500	0.000300	mg/L		01/24/15 09:26	01/26/15 11:42	1
Endrin	0.0000350	U	0.000500	0.0000350	mg/L		01/24/15 09:26	01/26/15 11:42	1
Heptachlor	0.0000300	U	0.000250	0.0000300	mg/L		01/24/15 09:26	01/26/15 11:42	1
Heptachlor epoxide	0.0000350	U	0.000250	0.0000350	mg/L		01/24/15 09:26	01/26/15 11:42	1
gamma-BHC (Lindane)	0.0000300	U	0.000250	0.0000300	mg/L		01/24/15 09:26	01/26/15 11:42	1
Methoxychlor	0.0000450	U	0.000250	0.0000450	mg/L		01/24/15 09:26	01/26/15 11:42	1

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . . - Houston

Client Sample ID: FT1001

Lab Sample ID: 600-105334-1

Matrix: Water

Date Collected: 01/20/15 09:45

Date Received: 01/20/15 12:07

Method: 8081A - Organochlorine Pesticides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.0122	U	0.0250	0.0122	mg/L		01/24/15 09:26	01/26/15 11:42	1
Surrogate									
Tetrachloro-m-xylene	47		32 - 143				01/24/15 09:26	01/26/15 11:42	1
DCB Decachlorobiphenyl	44		36 - 144				01/24/15 09:26	01/26/15 11:42	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicamba	0.0000990	U	0.00198	0.0000990	mg/L		01/23/15 18:06	01/26/15 16:49	10
Mecoprop	0.0261	U	0.198	0.0261	mg/L		01/23/15 18:06	01/26/15 16:49	10
MCPA	0.0572	U	0.198	0.0572	mg/L		01/23/15 18:06	01/26/15 16:49	10
Dichlorprop	0.000297	U	0.00198	0.000297	mg/L		01/23/15 18:06	01/26/15 16:49	10
2,4-D	0.000396	U	0.00198	0.000396	mg/L		01/23/15 18:06	01/26/15 16:49	10
Silvex (2,4,5-TP)	0.000198	U	0.00198	0.000198	mg/L		01/23/15 18:06	01/26/15 16:49	10
2,4,5-T	0.000198	U	0.00198	0.000198	mg/L		01/23/15 18:06	01/26/15 16:49	10
2,4-DB	0.000495	U	0.00198	0.000495	mg/L		01/23/15 18:06	01/26/15 16:49	10
Dinoseb	0.000198	U	0.00198	0.000198	mg/L		01/23/15 18:06	01/26/15 16:49	10
Surrogate									
2,4-DCAA	249	X	10 - 125.				01/23/15 18:06	01/26/15 16:49	10
			2						

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.000200	U	0.00100	0.000200	mg/L		01/23/15 18:06	01/26/15 18:39	1
Silvex (2,4,5-TP)	0.000100	U	0.00100	0.000100	mg/L		01/23/15 18:06	01/26/15 18:39	1
Surrogate									
2,4-Dichlorophenylacetic acid	104		10 - 125.				01/23/15 18:06	01/26/15 18:39	1
			2						

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	39.2		38.9	16.2	mg/L		01/23/15 08:52	01/23/15 15:18	20
>C12-C28	654		38.9	18.7	mg/L		01/23/15 08:52	01/23/15 15:18	20
>C28-C35	169		38.9	18.7	mg/L		01/23/15 08:52	01/23/15 15:18	20
C6-C35	862		38.9	16.2	mg/L		01/23/15 08:52	01/23/15 15:18	20
Surrogate									
o-Terphenyl	124		70 - 130				01/23/15 08:52	01/23/15 15:18	20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.360	U	0.500	0.360	mg/L		01/25/15 10:09	01/26/15 00:27	50
Barium	1.93		0.500	0.250	mg/L		01/25/15 10:09	01/26/15 00:27	50
Cadmium	0.0250	U	0.0500	0.0250	mg/L		01/25/15 10:09	01/26/15 00:27	50
Chromium	0.150	U	0.250	0.150	mg/L		01/25/15 10:09	01/26/15 00:27	50
Lead	0.630		0.250	0.100	mg/L		01/25/15 10:09	01/26/15 00:27	50
Selenium	0.250	U	0.500	0.250	mg/L		01/25/15 10:09	01/26/15 00:27	50
Silver	0.125	U	0.250	0.125	mg/L		01/25/15 10:09	01/26/15 00:27	50
Sulfur	114		12.5	5.00	mg/L		01/25/15 10:09	01/26/15 00:27	50

TestAmerica Houston

Client Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Client Sample ID: FT1001

Lab Sample ID: 600-105334-1

Date Collected: 01/20/15 09:45

Matrix: Water

Date Received: 01/20/15 12:07

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0328	U	0.100	0.0328	mg/L		01/23/15 11:36	01/26/15 13:21	1
Barium	0.115	J	0.200	0.0220	mg/L		01/23/15 11:36	01/26/15 13:21	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		01/23/15 11:36	01/26/15 13:21	1
Chromium	0.0155	U	0.100	0.0155	mg/L		01/23/15 11:36	01/26/15 13:21	1
Lead	0.0290	U	0.100	0.0290	mg/L		01/23/15 11:36	01/26/15 13:21	1
Selenium	0.0417	U	0.400	0.0417	mg/L		01/23/15 11:36	01/26/15 13:21	1
Silver	0.0125	U	0.100	0.0125	mg/L		01/23/15 11:36	01/26/15 13:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		01/26/15 07:54	01/26/15 14:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	J	50.0	1.40	mg/L		01/26/15 09:50	01/26/15 14:00	1
Cyanide, Reactive	0.0397	U	0.250	0.0397	mg/L		01/26/15 09:50	01/26/15 14:22	1
Halogens, Total Organic	0.938		0.600	0.300	mg/L			01/26/15 09:18	20
pH	8.14	H	0.0100	0.0100	SU			01/26/15 13:00	1
Percent Water	96.0				%			01/26/15 17:05	1
Total Suspended Solids	364		10.0	10.0	mg/L			01/22/15 06:33	1
Flashpoint	>186		1.00	1.00	Degrees F			01/26/15 11:10	1

Definitions/Glossary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Definitions/Glossary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Glossary (Continued)

Abbreviation These commonly used abbreviations may or may not be present in this report.

TEF Toxicity Equivalent Factor (Dioxin)

TEQ Toxicity Equivalent Quotient (Dioxin)

1

2

3

4

5

6

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11

12

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14

Surrogate Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (67-134)	DBFM (81-121)	TOL (80-120)	BFB (78-118)
600-105334-1	FT1001	94	98	102	104
LCS 400-244176/1002	Lab Control Sample		103	97	102
LCS 400-244209/1002	Lab Control Sample	114	99	98	103
MB 400-244176/4	Method Blank		108	94	96
MB 400-244209/4	Method Blank	101	114	92	100

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (78-118)	DBFM (81-121)	TOL (80-120)
600-105334-1	FT1001	94	108	94
LB 400-244190/1-A	Method Blank	95	109	94

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (24-150)	2FP (10-130)	FBP (38-133)	TBP (19-150)	TPH (35-150)	PHL (10-130)
600-105334-1	FT1001	0 X	0 X	0 X	0 X	0 X	0 X
LCS 600-154475/2-A	Lab Control Sample	78	81	92	115	102	66
MB 600-154475/1-A	Method Blank	86	75	73	66	85	61

Surrogate Legend

NBZ = Nitrobenzene-d5

2FP = 2-Fluorophenol

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol

TPH = Terphenyl-d14

PHL = Phenol-d5 (Surr)

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (35-130)	2FP (10-130)	FBP (41-130)	TBP (12-138)	TPH (43-130)	PHL (10-130)
LCS 600-154418/2-A	Lab Control Sample	79	42	87	87	93	25
MB 600-154418/1-A	Method Blank	79	40	81	78	96	23

Surrogate Legend

NBZ = Nitrobenzene-d5

2FP = 2-Fluorophenol

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol

TPH = Terphenyl-d14

PHL = Phenol-d5 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (35-130)	2FP (10-130)	FBP (41-130)	TBP (12-138)	TPH (43-130)	PHL (10-130)
600-105334-1	FT1001	87	72	97	94	99	68
600-105334-1 MS	FT1001	90	77	102	101	105	70
LB 600-154371/1-C	Method Blank	83	78	93	81	96	61

Surrogate Legend

NBZ = Nitrobenzene-d5

2FP = 2-Fluorophenol

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol

TPH = Terphenyl-d14

PHL = Phenol-d5 (Surr)

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (36-144)	TCX1 (32-143)
600-105334-1	FT1001	787 X	48
LCS 600-154413/2-A	Lab Control Sample	80	64
LCS 600-154486/2-A	Lab Control Sample	73	61
MB 600-154413/1-A	Method Blank	71	67
MB 600-154486/1-A	Method Blank	77	65

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

TestAmerica Houston

Surrogate Summary

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (32-143)	DCB1 (36-144)
600-105334-1	FT1001	47	44
600-105334-1 MS	FT1001	51	46
LB 600-154371/1-E	Method Blank	70	76

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (10-125.2)	DCPA1 (10-125.2)
600-105334-1	FT1001	249 X	249 X
LCS 600-154476/2-A	Lab Control Sample	92	92
MB 600-154476/1-A	Method Blank	79	79

Surrogate Legend

DCPA = 2,4-DCAA

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: TCLP

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPA1 (10-125.2)	DCPA1 (10-125.2)
600-105334-1	FT1001	104	104
600-105334-1 MS	FT1001	106	106
LB 600-154371/1-D	Method Blank	94	94

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		OTPH (70-130)	OTPH
600-105334-1	FT1001	124	
LCS 600-154391/2-A	Lab Control Sample	106	
MB 600-154391/1-A	Method Blank	98	

Surrogate Legend

OTPH = o-Terphenyl

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-244176/4

Matrix: Water

Analysis Batch: 244176

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.000640	U	0.00500	0.000640	mg/L			01/24/15 10:13	1
1,1-Dichloroethene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
Vinyl chloride	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
2-Butanone (MEK)	0.00260	U	0.0250	0.00260	mg/L			01/24/15 10:13	1
Carbon tetrachloride	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
Benzene	0.000340	U	0.00500	0.000340	mg/L			01/24/15 10:13	1
1,2-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
Trichloroethene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
Chloroform	0.000600	U	0.00500	0.000600	mg/L			01/24/15 10:13	1
Tetrachloroethene	0.000580	U	0.00500	0.000580	mg/L			01/24/15 10:13	1
Chlorobenzene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:13	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
4-Bromofluorobenzene	96		78 - 118					01/24/15 10:13	1
Dibromofluoromethane	108		81 - 121					01/24/15 10:13	1
Toluene-d8 (Surr)	94		80 - 120					01/24/15 10:13	1

Lab Sample ID: LCS 400-244176/1002

Matrix: Water

Analysis Batch: 244176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spikes	LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier				
1,4-Dichlorobenzene	0.0500	0.05296		mg/L		106	79 - 120
1,1-Dichloroethene	0.0500	0.05438		mg/L		109	50 - 134
Vinyl chloride	0.0500	0.04923		mg/L		98	60 - 128
2-Butanone (MEK)	0.200	0.2418		mg/L		121	62 - 137
Carbon tetrachloride	0.0500	0.06093		mg/L		122	46 - 141
Benzene	0.0500	0.05296		mg/L		106	79 - 120
1,2-Dichloroethane	0.0500	0.05655		mg/L		113	69 - 128
Trichloroethene	0.0500	0.05702		mg/L		114	77 - 120
Chloroform	0.0500	0.05521		mg/L		110	73 - 122
Tetrachloroethene	0.0500	0.05434		mg/L		109	76 - 124
Chlorobenzene	0.0500	0.05238		mg/L		105	80 - 120
Surrogate	LCS	LCS	Limits				
	%Recovery	Qualifier					
4-Bromofluorobenzene	102		78 - 118				
Dibromofluoromethane	103		81 - 121				
Toluene-d8 (Surr)	97		80 - 120				

Lab Sample ID: MB 400-244209/4

Matrix: Water

Analysis Batch: 244209

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloromethane	0.000830	U	0.00100	0.000830	mg/L			01/25/15 09:56	1
Bromomethane	0.000980	U	0.00100	0.000980	mg/L			01/25/15 09:56	1
Chloroethane	0.000760	U	0.00100	0.000760	mg/L			01/25/15 09:56	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 400-244209/4

Matrix: Water

Analysis Batch: 244209

**Client Sample ID: Method Blank
Prep Type: Total/NA**

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,1-Dichloroethene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
trans-1,2-Dichloroethene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Acetone	0.0100	U			0.0250	0.0100	mg/L		01/25/15 09:56		1
Vinyl chloride	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Carbon disulfide	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Methylene Chloride	0.00300	U	0.00500		0.00300	mg/L			01/25/15 09:56		1
Vinyl acetate	0.00200	U			0.0250	0.00200	mg/L		01/25/15 09:56		1
cis-1,2-Dichloroethene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
1,2-Dichloroethene, Total	0.000640	U	0.0100		0.000640	mg/L			01/25/15 09:56		1
2-Butanone (MEK)	0.00260	U	0.0250		0.00260	mg/L			01/25/15 09:56		1
Chlorobromomethane	0.000520	U	0.00100		0.000520	mg/L			01/25/15 09:56		1
Carbon tetrachloride	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Benzene	0.000380	U	0.00100		0.000380	mg/L			01/25/15 09:56		1
1,2-Dichloroethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Trichloroethene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
1,1,1-Trichloroethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
1,1-Dichloroethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
1,2-Dichloropropane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Chloroform	0.000600	U	0.00100		0.000600	mg/L			01/25/15 09:56		1
Bromodichloromethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
cis-1,3-Dichloropropene	0.000500	U	0.00500		0.000500	mg/L			01/25/15 09:56		1
4-Methyl-2-pentanone (MIBK)	0.00180	U	0.0250		0.00180	mg/L			01/25/15 09:56		1
Toluene	0.000700	U	0.00100		0.000700	mg/L			01/25/15 09:56		1
trans-1,3-Dichloropropene	0.000500	U	0.00500		0.000500	mg/L			01/25/15 09:56		1
1,1,2-Trichloroethane	0.000500	U	0.00500		0.000500	mg/L			01/25/15 09:56		1
Tetrachloroethene	0.000580	U	0.00100		0.000580	mg/L			01/25/15 09:56		1
2-Hexanone	0.00310	U	0.0250		0.00310	mg/L			01/25/15 09:56		1
Dibromochloromethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Chlorobenzene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
Ethylbenzene	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1
m-Xylene & p-Xylene	0.00160	U	0.00500		0.00160	mg/L			01/25/15 09:56		1
Xylenes, Total	0.00160	U	0.0100		0.00160	mg/L			01/25/15 09:56		1
o-Xylene	0.000600	U	0.00500		0.000600	mg/L			01/25/15 09:56		1
Styrene	0.00100	U	0.00100		0.00100	mg/L			01/25/15 09:56		1
Bromoform	0.000710	U	0.00500		0.000710	mg/L			01/25/15 09:56		1
1,1,2,2-Tetrachloroethane	0.000500	U	0.00100		0.000500	mg/L			01/25/15 09:56		1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
1,2-Dichloroethane-d4 (Surr)	101		67 - 134				01/25/15 09:56	1
4-Bromofluorobenzene	100		78 - 118				01/25/15 09:56	1
Dibromofluoromethane	114		81 - 121				01/25/15 09:56	1
Toluene-d8 (Surr)	92		80 - 120				01/25/15 09:56	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 400-244209/1002

Matrix: Water

Analysis Batch: 244209

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Chloromethane	0.0500	0.05777		mg/L	116	49 - 141	
Bromomethane	0.0500	0.04979		mg/L	100	10 - 150	
Chloroethane	0.0500	0.04722		mg/L	94	37 - 150	
1,1-Dichloroethene	0.0500	0.04619		mg/L	92	50 - 134	
trans-1,2-Dichloroethene	0.0500	0.04785		mg/L	96	70 - 126	
Acetone	0.200	0.1817		mg/L	91	24 - 150	
Vinyl chloride	0.0500	0.04907		mg/L	98	60 - 128	
Carbon disulfide	0.0500	0.04730		mg/L	95	41 - 140	
Methylene Chloride	0.0500	0.04708		mg/L	94	70 - 130	
Vinyl acetate	0.100	0.09629		mg/L	96	54 - 140	
cis-1,2-Dichloroethene	0.0500	0.05054		mg/L	101	78 - 122	
2-Butanone (MEK)	0.200	0.1998		mg/L	100	62 - 137	
Chlorobromomethane	0.0500	0.04911		mg/L	98	80 - 120	
Carbon tetrachloride	0.0500	0.05269		mg/L	105	46 - 141	
Benzene	0.0500	0.05176		mg/L	104	79 - 120	
1,2-Dichloroethane	0.0500	0.05373		mg/L	107	69 - 128	
Trichloroethene	0.0500	0.05116		mg/L	102	77 - 120	
1,1,1-Trichloroethane	0.0500	0.05176		mg/L	104	66 - 130	
1,1-Dichloroethane	0.0500	0.04943		mg/L	99	75 - 126	
1,2-Dichloropropane	0.0500	0.05591		mg/L	112	77 - 126	
Chloroform	0.0500	0.04929		mg/L	99	73 - 122	
Bromodichloromethane	0.0500	0.05564		mg/L	111	75 - 127	
cis-1,3-Dichloropropene	0.0500	0.04996		mg/L	100	70 - 122	
4-Methyl-2-pentanone (MIBK)	0.200	0.2413		mg/L	121	63 - 150	
Toluene	0.0500	0.04662		mg/L	93	80 - 120	
trans-1,3-Dichloropropene	0.0500	0.04374		mg/L	87	64 - 120	
1,1,2-Trichloroethane	0.0500	0.04593		mg/L	92	80 - 120	
Tetrachloroethene	0.0500	0.04529		mg/L	91	76 - 124	
2-Hexanone	0.200	0.2035		mg/L	102	60 - 150	
Dibromochloromethane	0.0500	0.04277		mg/L	86	63 - 125	
Chlorobenzene	0.0500	0.04645		mg/L	93	80 - 120	
Ethylbenzene	0.0500	0.04737		mg/L	95	80 - 120	
m-Xylene & p-Xylene	0.0500	0.04717		mg/L	94	70 - 130	
Xylenes, Total	0.100	0.09465		mg/L	95	70 - 130	
o-Xylene	0.0500	0.04748		mg/L	95	70 - 130	
Styrene	0.0500	0.04790		mg/L	96	79 - 124	
Bromoform	0.0500	0.04131		mg/L	83	65 - 121	
1,1,2,2-Tetrachloroethane	0.0500	0.04387		mg/L	88	68 - 132	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	114		67 - 134
4-Bromofluorobenzene	103		78 - 118
Dibromofluoromethane	99		81 - 121
Toluene-d8 (Surr)	98		80 - 120

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 400-244190/1-A

Matrix: Water

Analysis Batch: 244176

Client Sample ID: Method Blank

Prep Type: TCLP

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,4-Dichlorobenzene	0.000640	U	0.00500	0.000640	mg/L			01/24/15 10:39	1
1,1-Dichloroethene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
Vinyl chloride	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
2-Butanone (MEK)	0.00260	U	0.0250	0.00260	mg/L			01/24/15 10:39	1
Carbon tetrachloride	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
Benzene	0.000340	U	0.00500	0.000340	mg/L			01/24/15 10:39	1
1,2-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
Trichloroethene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
Chloroform	0.000600	U	0.00500	0.000600	mg/L			01/24/15 10:39	1
Tetrachloroethene	0.000580	U	0.00500	0.000580	mg/L			01/24/15 10:39	1
Chlorobenzene	0.000500	U	0.00500	0.000500	mg/L			01/24/15 10:39	1
Surrogate	LB	LB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
4-Bromofluorobenzene	95		78 - 118					01/24/15 10:39	1
Dibromofluoromethane	109		81 - 121					01/24/15 10:39	1
Toluene-d8 (Surr)	94		80 - 120					01/24/15 10:39	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-154418/1-A

Matrix: Water

Analysis Batch: 154518

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154418

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Pyridine	0.00216	U	0.0100	0.00216	mg/L		01/23/15 11:28	01/26/15 08:49	1
1,4-Dichlorobenzene	0.00178	U	0.0100	0.00178	mg/L		01/23/15 11:28	01/26/15 08:49	1
2,4-Dinitrotoluene	0.00263	U	0.0100	0.00263	mg/L		01/23/15 11:28	01/26/15 08:49	1
Hexachlorobenzene	0.00259	U	0.0100	0.00259	mg/L		01/23/15 11:28	01/26/15 08:49	1
Hexachloroethane	0.00220	U	0.0100	0.00220	mg/L		01/23/15 11:28	01/26/15 08:49	1
Hexachlorobutadiene	0.00212	U	0.0100	0.00212	mg/L		01/23/15 11:28	01/26/15 08:49	1
Nitrobenzene	0.00248	U	0.0100	0.00248	mg/L		01/23/15 11:28	01/26/15 08:49	1
2-Methylphenol	0.00181	U	0.0100	0.00181	mg/L		01/23/15 11:28	01/26/15 08:49	1
3 & 4 Methylphenol	0.00188	U	0.0200	0.00188	mg/L		01/23/15 11:28	01/26/15 08:49	1
Pentachlorophenol	0.00462	U	0.0500	0.00462	mg/L		01/23/15 11:28	01/26/15 08:49	1
2,4,5-Trichlorophenol	0.00271	U	0.0100	0.00271	mg/L		01/23/15 11:28	01/26/15 08:49	1
2,4,6-Trichlorophenol	0.00259	U	0.0100	0.00259	mg/L		01/23/15 11:28	01/26/15 08:49	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
Nitrobenzene-d5	79		35 - 130				01/23/15 11:28	01/26/15 08:49	1
2-Fluorophenol	40		10 - 130				01/23/15 11:28	01/26/15 08:49	1
2-Fluorobiphenyl	81		41 - 130				01/23/15 11:28	01/26/15 08:49	1
2,4,6-Tribromophenol	78		12 - 138				01/23/15 11:28	01/26/15 08:49	1
Terphenyl-d14	96		43 - 130				01/23/15 11:28	01/26/15 08:49	1
Phenol-d5 (Surr)	23		10 - 130				01/23/15 11:28	01/26/15 08:49	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-154418/2-A

Matrix: Water

Analysis Batch: 154518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154418

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Pyridine	0.0500	0.008994	J	mg/L		18	10 - 130
1,4-Dichlorobenzene	0.0500	0.03569		mg/L		71	57 - 130
2,4-Dinitrotoluene	0.0500	0.04002		mg/L		80	60 - 130
Hexachlorobenzene	0.0500	0.04547		mg/L		91	61 - 130
Hexachloroethane	0.0500	0.03601		mg/L		72	52 - 130
Hexachlorobutadiene	0.0500	0.03914		mg/L		78	52 - 130
Nitrobenzene	0.0500	0.04025		mg/L		80	55 - 130
2-Methylphenol	0.0500	0.03133		mg/L		63	39 - 130
3 & 4 Methylphenol	0.0500	0.02714		mg/L		54	29 - 130
Pentachlorophenol	0.100	0.08540		mg/L		85	29 - 141
2,4,5-Trichlorophenol	0.0500	0.04381		mg/L		88	51 - 130
2,4,6-Trichlorophenol	0.0500	0.04419		mg/L		88	49 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	79		35 - 130
2-Fluorophenol	42		10 - 130
2-Fluorobiphenyl	87		41 - 130
2,4,6-Tribromophenol	87		12 - 138
Terphenyl-d14	93		43 - 130
Phenol-d5 (Surr)	25		10 - 130

Lab Sample ID: MB 600-154475/1-A

Matrix: Water

Analysis Batch: 154519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154475

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	0.00227	U	0.0100	0.00227	mg/L		01/23/15 17:41	01/26/15 17:01	1
Acenaphthylene	0.00229	U	0.0100	0.00229	mg/L		01/23/15 17:41	01/26/15 17:01	1
Anthracene	0.00249	U	0.0100	0.00249	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzidine	0.0179	U	0.0500	0.0179	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzo[a]anthracene	0.00211	U	0.0100	0.00211	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzo[b]fluoranthene	0.00250	U	0.0100	0.00250	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzo[k]fluoranthene	0.00299	U	0.0100	0.00299	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzo[g,h,i]perylene	0.00211	U	0.0100	0.00211	mg/L		01/23/15 17:41	01/26/15 17:01	1
Benzo[a]pyrene	0.00246	U	0.0100	0.00246	mg/L		01/23/15 17:41	01/26/15 17:01	1
Bis(2-chloroethoxy)methane	0.00291	U	0.0100	0.00291	mg/L		01/23/15 17:41	01/26/15 17:01	1
Bis(2-chloroethyl)ether	0.00263	U	0.0100	0.00263	mg/L		01/23/15 17:41	01/26/15 17:01	1
Bis(2-ethylhexyl) phthalate	0.00226	U	0.0100	0.00226	mg/L		01/23/15 17:41	01/26/15 17:01	1
4-Bromophenyl phenyl ether	0.00250	U	0.0100	0.00250	mg/L		01/23/15 17:41	01/26/15 17:01	1
Butyl benzyl phthalate	0.00236	U	0.0100	0.00236	mg/L		01/23/15 17:41	01/26/15 17:01	1
4-Chloroaniline	0.00211	U	0.0100	0.00211	mg/L		01/23/15 17:41	01/26/15 17:01	1
2-Chloronaphthalene	0.00281	U	0.0100	0.00281	mg/L		01/23/15 17:41	01/26/15 17:01	1
4-Chlorophenyl phenyl ether	0.00219	U	0.0100	0.00219	mg/L		01/23/15 17:41	01/26/15 17:01	1
Carbazole	0.00297	U	0.0100	0.00297	mg/L		01/23/15 17:41	01/26/15 17:01	1
Chrysene	0.00206	U	0.0100	0.00206	mg/L		01/23/15 17:41	01/26/15 17:01	1
Di-n-butyl phthalate	0.00209	U	0.0100	0.00209	mg/L		01/23/15 17:41	01/26/15 17:01	1
Dibenz(a,h)anthracene	0.00248	U	0.0100	0.00248	mg/L		01/23/15 17:41	01/26/15 17:01	1
Dibenzofuran	0.00228	U	0.0100	0.00228	mg/L		01/23/15 17:41	01/26/15 17:01	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-154475/1-A

Matrix: Water

Analysis Batch: 154519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154475

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,2-Dichlorobenzene	0.00241	U	0.0100		0.00241	mg/L		01/23/15 17:41	01/26/15 17:01		1
1,3-Dichlorobenzene	0.00264	U	0.0100		0.00264	mg/L		01/23/15 17:41	01/26/15 17:01		1
1,4-Dichlorobenzene	0.00194	U	0.0100		0.00194	mg/L		01/23/15 17:41	01/26/15 17:01		1
3,3'-Dichlorobenzidine	0.00237	U	0.0100		0.00237	mg/L		01/23/15 17:41	01/26/15 17:01		1
Diethyl phthalate	0.00259	U	0.0100		0.00259	mg/L		01/23/15 17:41	01/26/15 17:01		1
Dimethyl phthalate	0.00247	U	0.0100		0.00247	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4-Dinitrotoluene	0.00211	U	0.0100		0.00211	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,6-Dinitrotoluene	0.00279	U	0.0100		0.00279	mg/L		01/23/15 17:41	01/26/15 17:01		1
Di-n-octyl phthalate	0.00187	U	0.0100		0.00187	mg/L		01/23/15 17:41	01/26/15 17:01		1
Fluoranthene	0.00244	U	0.0100		0.00244	mg/L		01/23/15 17:41	01/26/15 17:01		1
Fluorene	0.00211	U	0.0100		0.00211	mg/L		01/23/15 17:41	01/26/15 17:01		1
Hexachlorobenzene	0.00328	U	0.0100		0.00328	mg/L		01/23/15 17:41	01/26/15 17:01		1
Hexachlorocyclopentadiene	0.00232	U	0.0100		0.00232	mg/L		01/23/15 17:41	01/26/15 17:01		1
Hexachloroethane	0.00329	U	0.0100		0.00329	mg/L		01/23/15 17:41	01/26/15 17:01		1
Hexachlorobutadiene	0.00257	U	0.0100		0.00257	mg/L		01/23/15 17:41	01/26/15 17:01		1
Indeno[1,2,3-cd]pyrene	0.00309	U	0.0100		0.00309	mg/L		01/23/15 17:41	01/26/15 17:01		1
Isophorone	0.00264	U	0.0100		0.00264	mg/L		01/23/15 17:41	01/26/15 17:01		1
2-Methylnaphthalene	0.00258	U	0.0100		0.00258	mg/L		01/23/15 17:41	01/26/15 17:01		1
Naphthalene	0.00220	U	0.0100		0.00220	mg/L		01/23/15 17:41	01/26/15 17:01		1
2-Nitroaniline	0.00380	U	0.0100		0.00380	mg/L		01/23/15 17:41	01/26/15 17:01		1
3-Nitroaniline	0.00185	U	0.0100		0.00185	mg/L		01/23/15 17:41	01/26/15 17:01		1
4-Nitroaniline	0.00234	U	0.0100		0.00234	mg/L		01/23/15 17:41	01/26/15 17:01		1
Nitrobenzene	0.00259	U	0.0100		0.00259	mg/L		01/23/15 17:41	01/26/15 17:01		1
N-Nitrosodimethylamine	0.00139	U	0.0100		0.00139	mg/L		01/23/15 17:41	01/26/15 17:01		1
N-Nitrosodiphenylamine	0.00201	U	0.0100		0.00201	mg/L		01/23/15 17:41	01/26/15 17:01		1
N-Nitrosodi-n-propylamine	0.00319	U	0.0100		0.00319	mg/L		01/23/15 17:41	01/26/15 17:01		1
Phenanthrene	0.00224	U	0.0100		0.00224	mg/L		01/23/15 17:41	01/26/15 17:01		1
Pyrene	0.00300	U	0.0100		0.00300	mg/L		01/23/15 17:41	01/26/15 17:01		1
1,2,4-Trichlorobenzene	0.00205	U	0.0100		0.00205	mg/L		01/23/15 17:41	01/26/15 17:01		1
Benzyl alcohol	0.00198	U	0.0100		0.00198	mg/L		01/23/15 17:41	01/26/15 17:01		1
4-Chloro-3-methylphenol	0.00197	U	0.0100		0.00197	mg/L		01/23/15 17:41	01/26/15 17:01		1
2-Chlorophenol	0.00219	U	0.0100		0.00219	mg/L		01/23/15 17:41	01/26/15 17:01		1
2-Methylphenol	0.00142	U	0.0100		0.00142	mg/L		01/23/15 17:41	01/26/15 17:01		1
3 & 4 Methylphenol	0.00135	U	0.0100		0.00135	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4-Dichlorophenol	0.00216	U	0.0100		0.00216	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4-Dimethylphenol	0.00194	U	0.0100		0.00194	mg/L		01/23/15 17:41	01/26/15 17:01		1
4,6-Dinitro-2-methylphenol	0.00336	U	0.0100		0.00336	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4-Dinitrophenol	0.00546	U	0.0100		0.00546	mg/L		01/23/15 17:41	01/26/15 17:01		1
2-Nitrophenol	0.00210	U	0.0100		0.00210	mg/L		01/23/15 17:41	01/26/15 17:01		1
4-Nitrophenol	0.00280	U	0.0100		0.00280	mg/L		01/23/15 17:41	01/26/15 17:01		1
Pentachlorophenol	0.00315	U	0.0100		0.00315	mg/L		01/23/15 17:41	01/26/15 17:01		1
Phenol	0.00125	U	0.0100		0.00125	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4,5-Trichlorophenol	0.00420	U	0.0100		0.00420	mg/L		01/23/15 17:41	01/26/15 17:01		1
2,4,6-Trichlorophenol	0.00332	U	0.0100		0.00332	mg/L		01/23/15 17:41	01/26/15 17:01		1
bis (2-Chloroisopropyl) ether	0.00292	U	0.0100		0.00292	mg/L		01/23/15 17:41	01/26/15 17:01		1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Nitrobenzene-d5	86				24 - 150	01/23/15 17:41	01/26/15 17:01	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-154475/1-A

Matrix: Water

Analysis Batch: 154519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154475

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	75		75		10 - 130	01/23/15 17:41	01/26/15 17:01	1
2-Fluorobiphenyl	73		73		38 - 133	01/23/15 17:41	01/26/15 17:01	1
2,4,6-Tribromophenol	66		66		19 - 150	01/23/15 17:41	01/26/15 17:01	1
Terphenyl-d14	85		85		35 - 150	01/23/15 17:41	01/26/15 17:01	1
Phenol-d5 (Surr)	61		61		10 - 130	01/23/15 17:41	01/26/15 17:01	1

Lab Sample ID: LCS 600-154475/2-A

Matrix: Water

Analysis Batch: 154519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154475

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits	%Rec.
	Added	Result	Qualifier					
Acenaphthene	0.0400	0.03385		mg/L	85	55 - 130		
Acenaphthylene	0.0400	0.03329		mg/L	83	52 - 130		
Anthracene	0.0400	0.03917		mg/L	98	58 - 130		
Benzidine	0.0800	0.0179	U *	mg/L	0.8	10 - 130		
Benzo[a]anthracene	0.0400	0.03739		mg/L	93	59 - 130		
Benzo[b]fluoranthene	0.0400	0.03514		mg/L	88	57 - 130		
Benzo[k]fluoranthene	0.0400	0.03482		mg/L	87	58 - 133		
Benzo[g,h,i]perylene	0.0400	0.03696		mg/L	92	46 - 150		
Benzo[a]pyrene	0.0400	0.03791		mg/L	95	59 - 130		
Bis(2-chloroethoxy)methane	0.0400	0.03534		mg/L	88	52 - 130		
Bis(2-chloroethyl)ether	0.0400	0.03694		mg/L	92	50 - 130		
Bis(2-ethylhexyl) phthalate	0.0400	0.03986		mg/L	100	57 - 137		
4-Bromophenyl phenyl ether	0.0400	0.03917		mg/L	98	52 - 137		
Butyl benzyl phthalate	0.0400	0.03881		mg/L	97	55 - 137		
4-Chloroaniline	0.0400	0.02410		mg/L	60	16 - 139		
2-Chloronaphthalene	0.0400	0.03619		mg/L	90	52 - 130		
4-Chlorophenyl phenyl ether	0.0400	0.03422		mg/L	86	58 - 130		
Carbazole	0.0400	0.03789		mg/L	95	49 - 137		
Chrysene	0.0400	0.03974		mg/L	99	59 - 129		
Di-n-butyl phthalate	0.0400	0.04091		mg/L	102	56 - 141		
Dibenz(a,h)anthracene	0.0400	0.03722		mg/L	93	54 - 138		
Dibenzofuran	0.0400	0.03557		mg/L	89	56 - 130		
1,2-Dichlorobenzene	0.0400	0.03424		mg/L	86	31 - 136		
1,3-Dichlorobenzene	0.0400	0.03262		mg/L	82	26 - 136		
1,4-Dichlorobenzene	0.0400	0.03446		mg/L	86	28 - 136		
3,3'-Dichlorobenzidine	0.0400	0.03444		mg/L	86	19 - 150		
Diethyl phthalate	0.0400	0.03578		mg/L	89	60 - 132		
Dimethyl phthalate	0.0400	0.03583		mg/L	90	58 - 130		
2,4-Dinitrotoluene	0.0400	0.03850		mg/L	96	59 - 133		
2,6-Dinitrotoluene	0.0400	0.03338		mg/L	83	57 - 130		
Di-n-octyl phthalate	0.0400	0.04420		mg/L	111	52 - 148		
Fluoranthene	0.0400	0.03568		mg/L	89	54 - 136		
Fluorene	0.0400	0.03497		mg/L	87	57 - 130		
Hexachlorobenzene	0.0400	0.03787		mg/L	95	49 - 142		
Hexachlorocyclopentadiene	0.0400	0.02854		mg/L	71	10 - 130		
Hexachloroethane	0.0400	0.03547		mg/L	89	26 - 141		
Hexachlorobutadiene	0.0400	0.03167		mg/L	79	29 - 144		

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-154475/2-A

Matrix: Water

Analysis Batch: 154519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154475

Analyte	Spike	LCS			Unit	D	%Rec	Limits
	Added	Result	Qualifier					
Indeno[1,2,3-cd]pyrene	0.0400	0.04239		mg/L		106	53 - 136	
Isophorone	0.0400	0.03555		mg/L		89	57 - 121	
2-Methylnaphthalene	0.0400	0.03396		mg/L		85	48 - 130	
Naphthalene	0.0400	0.03438		mg/L		86	48 - 130	
2-Nitroaniline	0.0400	0.03641		mg/L		91	50 - 136	
3-Nitroaniline	0.0400	0.03259		mg/L		81	20 - 144	
4-Nitroaniline	0.0400	0.05433		mg/L		136	21 - 150	
Nitrobenzene	0.0400	0.03134		mg/L		78	58 - 130	
N-Nitrosodimethylamine	0.0400	0.03147		mg/L		79	18 - 140	
N-Nitrosodiphenylamine	0.0400	0.03972		mg/L		99	53 - 126	
N-Nitrosodi-n-propylamine	0.0400	0.03722		mg/L		93	52 - 137	
Phenanthrene	0.0400	0.03695		mg/L		92	57 - 130	
Pyrene	0.0400	0.03861		mg/L		97	58 - 130	
1,2,4-Trichlorobenzene	0.0400	0.03314		mg/L		83	38 - 134	
Benzyl alcohol	0.0400	0.03436		mg/L		86	30 - 133	
4-Chloro-3-methylphenol	0.0400	0.03279		mg/L		82	57 - 130	
2-Chlorophenol	0.0400	0.03409		mg/L		85	53 - 130	
2-Methylphenol	0.0400	0.03535		mg/L		88	38 - 136	
3 & 4 Methylphenol	0.0400	0.03416		mg/L		85	42 - 123	
2,4-Dichlorophenol	0.0400	0.03403		mg/L		85	53 - 130	
2,4-Dimethylphenol	0.0400	0.03481		mg/L		87	53 - 130	
4,6-Dinitro-2-methylphenol	0.0800	0.07695		mg/L		96	40 - 145	
2,4-Dinitrophenol	0.0800	0.07395		mg/L		92	23 - 138	
2-Nitrophenol	0.0400	0.03728		mg/L		93	53 - 130	
4-Nitrophenol	0.0800	0.04706		mg/L		59	10 - 130	
Pentachlorophenol	0.0800	0.06069		mg/L		76	29 - 130	
Phenol	0.0400	0.02611		mg/L		65	10 - 130	
2,4,5-Trichlorophenol	0.0400	0.03425		mg/L		86	49 - 130	
2,4,6-Trichlorophenol	0.0400	0.03093		mg/L		77	53 - 130	
bis (2-Chloroisopropyl) ether	0.0400	0.03694		mg/L		92	47 - 139	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	78		24 - 150
2-Fluorophenol	81		10 - 130
2-Fluorobiphenyl	92		38 - 133
2,4,6-Tribromophenol	115		19 - 150
Terphenyl-d14	102		35 - 150
Phenol-d5 (Surr)	66		10 - 130

Lab Sample ID: LB 600-154371/1-C

Matrix: Water

Analysis Batch: 154518

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 154418

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Pyridine	0.0108	U	0.0500	0.0108	mg/L		01/23/15 17:31	01/26/15 11:29	1
1,4-Dichlorobenzene	0.00890	U	0.0500	0.00890	mg/L		01/23/15 17:31	01/26/15 11:29	1
2,4-Dinitrotoluene	0.0132	U	0.0500	0.0132	mg/L		01/23/15 17:31	01/26/15 11:29	1
Hexachlorobenzene	0.0130	U	0.0500	0.0130	mg/L		01/23/15 17:31	01/26/15 11:29	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 600-154371/1-C

Matrix: Water

Analysis Batch: 154518

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 154418

Analyte	LB	LB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							Prepared	Analyzed	Dil Fac
Hexachloroethane	0.0110	U	0.0500		0.0110	mg/L		01/23/15 17:31	01/26/15 11:29		1
Hexachlorobutadiene	0.0106	U	0.0500		0.0106	mg/L		01/23/15 17:31	01/26/15 11:29		1
Nitrobenzene	0.0124	U	0.0500		0.0124	mg/L		01/23/15 17:31	01/26/15 11:29		1
2-Methylphenol	0.00905	U	0.0500		0.00905	mg/L		01/23/15 17:31	01/26/15 11:29		1
3 & 4 Methylphenol	0.00940	U	0.100		0.00940	mg/L		01/23/15 17:31	01/26/15 11:29		1
Pentachlorophenol	0.0231	U	0.250		0.0231	mg/L		01/23/15 17:31	01/26/15 11:29		1
2,4,5-Trichlorophenol	0.0136	U	0.0500		0.0136	mg/L		01/23/15 17:31	01/26/15 11:29		1
2,4,6-Trichlorophenol	0.0129	U	0.0500		0.0129	mg/L		01/23/15 17:31	01/26/15 11:29		1
Surrogate	LB	LB	%Recovery	Qualifier	Limits			D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		35 - 130					01/23/15 17:31	01/26/15 11:29		1
2-Fluorophenol	78		10 - 130					01/23/15 17:31	01/26/15 11:29		1
2-Fluorobiphenyl	93		41 - 130					01/23/15 17:31	01/26/15 11:29		1
2,4,6-Tribromophenol	81		12 - 138					01/23/15 17:31	01/26/15 11:29		1
Terphenyl-d14	96		43 - 130					01/23/15 17:31	01/26/15 11:29		1
Phenol-d5 (Surr)	61		10 - 130					01/23/15 17:31	01/26/15 11:29		1

Lab Sample ID: 600-105334-1 MS

Matrix: Water

Analysis Batch: 154518

Client Sample ID: FT1001

Prep Type: TCLP

Prep Batch: 154418

Analyte	Sample	Sample	Spike	MS			D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier	Unit			Limits	
Pyridine	0.108	U	0.250	0.108	U F1	mg/L	0	10 - 130		
1,4-Dichlorobenzene	0.0890	U	0.250	0.1918	J	mg/L	77	57 - 130		
2,4-Dinitrotoluene	0.132	U	0.250	0.1961	J	mg/L	78	60 - 130		
Hexachlorobenzene	0.130	U	0.250	0.2439	J	mg/L	98	61 - 130		
Hexachloroethane	0.110	U	0.250	0.1753	J	mg/L	70	52 - 130		
Hexachlorobutadiene	0.106	U	0.250	0.2148	J	mg/L	86	52 - 130		
Nitrobenzene	0.124	U	0.250	0.2156	J	mg/L	86	55 - 130		
2-Methylphenol	0.104	J	0.250	0.3329	J	mg/L	92	39 - 130		
3 & 4 Methylphenol	0.168	J	0.250	0.4190	J	mg/L	101	29 - 130		
Pentachlorophenol	0.231	U	0.500	0.4950	J	mg/L	99	29 - 141		
2,4,5-Trichlorophenol	0.136	U	0.250	0.2457	J	mg/L	98	51 - 130		
2,4,6-Trichlorophenol	0.129	U	0.250	0.2463	J	mg/L	99	49 - 130		
Surrogate	MS	MS	%Recovery	Qualifier	Limits					
	Result	Qualifier								
Nitrobenzene-d5	90		35 - 130							
2-Fluorophenol	77		10 - 130							
2-Fluorobiphenyl	102		41 - 130							
2,4,6-Tribromophenol	101		12 - 138							
Terphenyl-d14	105		43 - 130							
Phenol-d5 (Surr)	70		10 - 130							

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . . - Houston

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 600-154413/1-A

Matrix: Water

Analysis Batch: 154605

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154413

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	0.00000350	U	0.0000500	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
4,4'-DDE	0.00000350	U	0.0000500	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
4,4'-DDT	0.00000400	U	0.0000500	0.0000040	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Aldrin	0.00000300	U	0.0000250	0.0000030	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
alpha-BHC	0.00000350	U	0.0000250	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
beta-BHC	0.00000400	U	0.0000250	0.0000040	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Chlordane (n.o.s.)	0.0000300	U	0.0000500	0.0000300	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
delta-BHC	0.00000250	U	0.0000250	0.0000025	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Dieldrin	0.00000350	U	0.0000500	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Endosulfan I	0.00000350	U	0.0000250	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Endosulfan II	0.0000500	U	0.0000500	0.0000500	mg/L		01/23/15 11:10	01/26/15 19:37	1
Endosulfan sulfate	0.0000125	U	0.0000500	0.0000125	mg/L		01/23/15 11:10	01/26/15 19:37	1
Endrin	0.00000350	U	0.0000500	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Endrin aldehyde	0.00000350	U	0.0000500	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
gamma-BHC (Lindane)	0.00000300	U	0.0000250	0.0000030	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Heptachlor	0.00000300	U	0.0000250	0.0000030	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Heptachlor epoxide	0.00000350	U	0.0000250	0.0000035	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Methoxychlor	0.00000450	U	0.0000250	0.0000045	mg/L		01/23/15 11:10	01/26/15 19:37	1
				0					
Toxaphene	0.00122	U	0.00250	0.00122	mg/L		01/23/15 11:10	01/26/15 19:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	71		36 - 144	01/23/15 11:10	01/26/15 19:37	1
Tetrachloro-m-xylene	67		32 - 143	01/23/15 11:10	01/26/15 19:37	1

Lab Sample ID: LCS 600-154413/2-A

Matrix: Water

Analysis Batch: 154605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154413

Analyte	Spike			LCS			%Rec.		
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
4,4'-DDD	0.00100	0.001081		mg/L		108	55 - 150		
4,4'-DDE	0.00100	0.001058		mg/L		106	32 - 150		
4,4'-DDT	0.00100	0.001080		mg/L		108	20 - 150		
Aldrin	0.00100	0.0009407		mg/L		94	66 - 150		
alpha-BHC	0.00100	0.0008967		mg/L		90	70 - 147		
beta-BHC	0.00100	0.001005		mg/L		100	64 - 150		
delta-BHC	0.00100	0.0005948		mg/L		59	18 - 150		

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . . - Houston

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 600-154413/2-A

Matrix: Water

Analysis Batch: 154605

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154413

Analyte	Spike	LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Dieledrin	0.00100	0.001006		mg/L		101	63 - 150
Endosulfan I	0.00100	0.0009311		mg/L		93	68 - 150
Endosulfan II	0.00100	0.001044		mg/L		104	63 - 150
Endosulfan sulfate	0.00100	0.0009899		mg/L		99	46 - 150
Endrin	0.00100	0.001064		mg/L		106	49 - 150
Endrin aldehyde	0.00100	0.0009882		mg/L		99	63 - 150
gamma-BHC (Lindane)	0.00100	0.0009663		mg/L		97	70 - 149
Heptachlor	0.00100	0.0009418		mg/L		94	70 - 150
Heptachlor epoxide	0.00100	0.0009330		mg/L		93	64 - 150
Methoxychlor	0.00100	0.001221		mg/L		122	12 - 150
Surrogate		LCS	LCS	Limits			
<i>DCB Decachlorobiphenyl</i>		80		36 - 144			
<i>Tetrachloro-m-xylene</i>		64		32 - 143			

Lab Sample ID: MB 600-154486/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154546

Prep Batch: 154486

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlordane (technical)	0.0000600	U	0.000100	0.0000600	mg/L		01/24/15 09:26	01/26/15 10:28	1
Endrin	0.00000700	U	0.000100	0.0000070	mg/L		01/24/15 09:26	01/26/15 10:28	1
gamma-BHC (Lindane)	0.00000600	U	0.0000500	0.0000060	mg/L		01/24/15 09:26	01/26/15 10:28	1
Heptachlor	0.00000600	U	0.0000500	0.0000060	mg/L		01/24/15 09:26	01/26/15 10:28	1
Heptachlor epoxide	0.00000700	U	0.0000500	0.0000070	mg/L		01/24/15 09:26	01/26/15 10:28	1
Methoxychlor	0.00000900	U	0.0000500	0.0000090	mg/L		01/24/15 09:26	01/26/15 10:28	1
Toxaphene	0.00244	U	0.00500	0.00244	mg/L		01/24/15 09:26	01/26/15 10:28	1
Surrogate		MB	MB	Limits				Prepared	Analyzed
<i>DCB Decachlorobiphenyl</i>		77		36 - 144				01/24/15 09:26	01/26/15 10:28
<i>Tetrachloro-m-xylene</i>		65		32 - 143				01/24/15 09:26	01/26/15 10:28

Lab Sample ID: LCS 600-154486/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154546

Prep Batch: 154486

Analyte	Spike	LCS		Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Endrin	0.000500	0.0004966		mg/L		99	49 - 150
gamma-BHC (Lindane)	0.000500	0.0004857		mg/L		97	70 - 149
Heptachlor	0.000500	0.0004844		mg/L		97	70 - 150
Heptachlor epoxide	0.000500	0.0004759		mg/L		95	64 - 150
Methoxychlor	0.000500	0.0004678		mg/L		94	12 - 150

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 600-154486/2-A

Matrix: Water

Analysis Batch: 154546

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154486

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	73		36 - 144
Tetrachloro-m-xylene	61		32 - 143

Lab Sample ID: LB 600-154371/1-E

Matrix: Water

Analysis Batch: 154546

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 154486

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.000300	U	0.000500	0.000300	mg/L		01/24/15 09:26	01/26/15 11:17	1
Endrin	0.0000350	U	0.000500	0.0000350	mg/L		01/24/15 09:26	01/26/15 11:17	1
gamma-BHC (Lindane)	0.0000300	U	0.000250	0.0000300	mg/L		01/24/15 09:26	01/26/15 11:17	1
Heptachlor	0.0000300	U	0.000250	0.0000300	mg/L		01/24/15 09:26	01/26/15 11:17	1
Heptachlor epoxide	0.0000350	U	0.000250	0.0000350	mg/L		01/24/15 09:26	01/26/15 11:17	1
Methoxychlor	0.0000450	U	0.000250	0.0000450	mg/L		01/24/15 09:26	01/26/15 11:17	1
Toxaphene	0.0122	U	0.0250	0.0122	mg/L		01/24/15 09:26	01/26/15 11:17	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		36 - 144	01/24/15 09:26	01/26/15 11:17	1
Tetrachloro-m-xylene	70		32 - 143	01/24/15 09:26	01/26/15 11:17	1

Lab Sample ID: 600-105334-1 MS

Matrix: Water

Analysis Batch: 154546

Client Sample ID: FT1001

Prep Type: TCLP

Prep Batch: 154486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Endrin	0.0000350	U	0.00250	0.001793		mg/L	72	49 - 150	
gamma-BHC (Lindane)	0.0000300	U	0.00250	0.001642	F1	mg/L	66	70 - 149	
Heptachlor	0.0000300	U	0.00250	0.001785		mg/L	71	70 - 150	
Heptachlor epoxide	0.0000350	U	0.00250	0.001638		mg/L	66	64 - 150	
Methoxychlor	0.0000450	U	0.00250	0.0006046		mg/L	24	12 - 150	

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	46		36 - 144
Tetrachloro-m-xylene	51		32 - 143

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 600-154476/1-A

Matrix: Water

Analysis Batch: 154552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicamba	0.0000100	U	0.000200	0.0000100	mg/L		01/23/15 18:06	01/26/15 14:36	1
Mecoprop	0.00264	U	0.0200	0.00264	mg/L		01/23/15 18:06	01/26/15 14:36	1
MCPA	0.00578	U	0.0200	0.00578	mg/L		01/23/15 18:06	01/26/15 14:36	1
Dichlorprop	0.0000300	U	0.000200	0.0000300	mg/L		01/23/15 18:06	01/26/15 14:36	1
2,4-D	0.0000400	U	0.000200	0.0000400	mg/L		01/23/15 18:06	01/26/15 14:36	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 600-154476/1-A

Matrix: Water

Analysis Batch: 154552

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154476

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	0.0000200	U	0.000200	0.0000200	mg/L	01/23/15 18:06	01/26/15 14:36	1			
2,4,5-T	0.0000200	U	0.000200	0.0000200	mg/L	01/23/15 18:06	01/26/15 14:36	1			
2,4-DB	0.0000500	U	0.000200	0.0000500	mg/L	01/23/15 18:06	01/26/15 14:36	1			
Dinoseb	0.0000200	U	0.000200	0.0000200	mg/L	01/23/15 18:06	01/26/15 14:36	1			
Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
2,4-DCAA	79		10 - 125.		2	01/23/15 18:06	01/26/15 14:36	1			
2,4-Dichlorophenylacetic acid	79		10 - 125.		2	01/23/15 18:06	01/26/15 14:36	1			

Lab Sample ID: LCS 600-154476/2-A

Matrix: Water

Analysis Batch: 154552

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154476

Analyte	Spikes	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits	Prepared	Analyzed	Dil Fac
	Added	Result	Qualifier									
Dicamba	0.000800	0.0005436		mg/L	68	31 - 124						
Mecoprop	0.0800	0.07988		mg/L	100	10 - 176						
MCPA	0.0800	0.04474		mg/L	56	26 - 164						
Dichlorprop	0.000800	0.0004750		mg/L	59	42 - 127						
2,4-D	0.000800	0.0005326		mg/L	67	25 - 151						
Silvex (2,4,5-TP)	0.000800	0.0005394		mg/L	67	47 - 136						
2,4,5-T	0.000800	0.0005976	J	mg/L	75	36 - 140						
2,4-DB	0.000800	0.0001906	J	mg/L	24	24 - 164						
Dinoseb	0.000800	0.0004182		mg/L	52	11 - 130						
Surrogate	LCS	LCS	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac	
	Result	Qualifier										
2,4-DCAA	92		10 - 125.		2	01/23/15 18:06	01/26/15 14:36	1				
2,4-Dichlorophenylacetic acid	92		10 - 125.		2	01/23/15 18:06	01/26/15 14:36	1				

Lab Sample ID: LB 600-154371/1-D

Matrix: Water

Analysis Batch: 154552

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 154476

Analyte	LB	LB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							Prepared	Analyzed	Dil Fac
2,4-D	0.000200	U	0.00100	0.000200	mg/L	01/23/15 18:06	01/26/15 17:13	1			
Silvex (2,4,5-TP)	0.000100	U	0.00100	0.000100	mg/L	01/23/15 18:06	01/26/15 17:13	1			
Surrogate	LB	LB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
2,4-Dichlorophenylacetic acid	94		10 - 125.		2	01/23/15 18:06	01/26/15 17:13	1			

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 600-105334-1 MS							Client Sample ID: FT1001			
Matrix: Water							Prep Type: TCLP			
Analysis Batch: 154552							Prep Batch: 154476			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Dicamba	0.0000500	U	0.00400	0.006490	E F1	mg/L	162		31 - 124	
Mecoprop	0.0132	U	0.400	8.318	E F1	mg/L	2079		10 - 176	
MCPA	0.0289	U	0.400	74.34	E F1	mg/L	18585		26 - 164	
Dichlorprop	0.000150	U	0.00400	0.0004127	J F1	mg/L	10		42 - 127	
2,4-D	0.000200	U	0.00400	0.01389	E F1	mg/L	347		25 - 151	
Silvex (2,4,5-TP)	0.000100	U	0.00400	0.000100	U F1	mg/L	0		47 - 136	
2,4,5-T	0.000100	U	0.00400	0.003516		mg/L	88		36 - 140	
2,4-DB	0.000250	U *	0.00400	0.009429	E F1	mg/L	236		24 - 164	
Dinoseb	0.000100	U *	0.00400	0.01076	E F1	mg/L	269		11 - 130	
Surrogate	MS %Recovery		MS Qualifier		Limits					
2,4-DCAA	106		10 - 125.		2					
2,4-Dichlorophenylacetic acid	106		10 - 125.		2					

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-154391/1-A							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 154430							Prep Batch: 154391			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
C6-C12	0.830	U	2.00	0.830	mg/L	01/23/15 08:52	01/23/15 13:36		1	
>C12-C28	0.960	U	2.00	0.960	mg/L	01/23/15 08:52	01/23/15 13:36		1	
>C28-C35	0.960	U	2.00	0.960	mg/L	01/23/15 08:52	01/23/15 13:36		1	
C6-C35	0.830	U	2.00	0.830	mg/L	01/23/15 08:52	01/23/15 13:36		1	
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac	
<i>o-Terphenyl</i>	98		70 - 130				01/23/15 08:52	01/23/15 13:36		1

Lab Sample ID: LCS 600-154391/2-A							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 154430							Prep Batch: 154391			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits			
C6-C12	33.3	32.60		mg/L	98		75 - 125			
>C12-C28	33.3	35.27		mg/L	106		75 - 125			
C6-C35	66.7	67.87		mg/L	102		75 - 125			
Surrogate	LCS %Recovery	LCS Qualifier	Limits							
<i>o-Terphenyl</i>	106		70 - 130							

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-154421/1-A

Matrix: Water

Analysis Batch: 154564

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154421

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.00328	U	0.0100	0.00328	mg/L		01/23/15 11:36	01/26/15 12:31	1
Barium	0.00220	U	0.0200	0.00220	mg/L		01/23/15 11:36	01/26/15 12:31	1
Cadmium	0.000350	U	0.00500	0.000350	mg/L		01/23/15 11:36	01/26/15 12:31	1
Chromium	0.00155	U	0.0100	0.00155	mg/L		01/23/15 11:36	01/26/15 12:31	1
Lead	0.00290	U	0.0100	0.00290	mg/L		01/23/15 11:36	01/26/15 12:31	1
Selenium	0.00417	U	0.0400	0.00417	mg/L		01/23/15 11:36	01/26/15 12:31	1
Silver	0.00125	U	0.0100	0.00125	mg/L		01/23/15 11:36	01/26/15 12:31	1

Lab Sample ID: LCS 600-154421/2-A

Matrix: Water

Analysis Batch: 154564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 154421

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
Arsenic	1.00		1.031			mg/L		103	80 - 120
Barium	1.00		1.091			mg/L		109	80 - 120
Cadmium	0.500		0.4999			mg/L		100	80 - 120
Chromium	1.00		1.001			mg/L		100	80 - 120
Lead	1.00		0.9951			mg/L		100	80 - 120
Selenium	1.00		1.036			mg/L		104	80 - 120
Silver	0.500		0.4993			mg/L		100	80 - 120

Lab Sample ID: MB 490-222852/1-A

Matrix: Water

Analysis Batch: 222914

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 222852

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.00720	U	0.0100	0.00720	mg/L		01/25/15 10:09	01/25/15 22:11	1
Barium	0.00500	U	0.0100	0.00500	mg/L		01/25/15 10:09	01/25/15 22:11	1
Cadmium	0.000500	U	0.00100	0.000500	mg/L		01/25/15 10:09	01/25/15 22:11	1
Chromium	0.00300	U	0.00500	0.00300	mg/L		01/25/15 10:09	01/25/15 22:11	1
Lead	0.00200	U	0.00500	0.00200	mg/L		01/25/15 10:09	01/25/15 22:11	1
Selenium	0.00500	U	0.0100	0.00500	mg/L		01/25/15 10:09	01/25/15 22:11	1
Silver	0.00250	U	0.00500	0.00250	mg/L		01/25/15 10:09	01/25/15 22:11	1
Sulfur	0.100	U	0.250	0.100	mg/L		01/25/15 10:09	01/25/15 22:11	1

Lab Sample ID: LCS 490-222852/2-A

Matrix: Water

Analysis Batch: 222914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 222852

Analyte	Spike		Result	LCS	LCS	Unit	D	%Rec	Limits
	Added								
Arsenic	0.0500		0.05240			mg/L		105	80 - 120
Barium	2.00		2.153			mg/L		108	80 - 120
Cadmium	0.0500		0.05220			mg/L		104	80 - 120
Chromium	0.200		0.2065			mg/L		103	80 - 120
Lead	0.0500		0.05480			mg/L		110	80 - 120
Selenium	0.0500		0.05280			mg/L		106	80 - 120
Silver	0.0500		0.05000			mg/L		100	80 - 120
Sulfur	1.00		1.092			mg/L		109	80 - 120

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 490-222852/3-A

Matrix: Water

Analysis Batch: 222914

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 222852

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
	Added	Result	Qualifier							
Arsenic	0.0500	0.05110		mg/L		102	80 - 120	3	20	
Barium	2.00	2.166		mg/L		108	80 - 120	1	20	
Cadmium	0.0500	0.05240		mg/L		105	80 - 120	0	20	
Chromium	0.200	0.2064		mg/L		103	80 - 120	0	20	
Lead	0.0500	0.05580		mg/L		112	80 - 120	2	20	
Selenium	0.0500	0.05320		mg/L		106	80 - 120	1	20	
Silver	0.0500	0.05000		mg/L		100	80 - 120	0	20	
Sulfur	1.00	1.099		mg/L		110	80 - 120	1	20	

Lab Sample ID: LB 600-154371/1-B

Matrix: Water

Analysis Batch: 154564

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 154421

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.0328	U	0.100	0.0328	mg/L		01/23/15 11:36	01/26/15 13:11	1
Barium	0.0220	U	0.200	0.0220	mg/L		01/23/15 11:36	01/26/15 13:11	1
Cadmium	0.00350	U	0.0500	0.00350	mg/L		01/23/15 11:36	01/26/15 13:11	1
Chromium	0.0155	U	0.100	0.0155	mg/L		01/23/15 11:36	01/26/15 13:11	1
Lead	0.0290	U	0.100	0.0290	mg/L		01/23/15 11:36	01/26/15 13:11	1
Selenium	0.0417	U	0.400	0.0417	mg/L		01/23/15 11:36	01/26/15 13:11	1
Silver	0.0125	U	0.100	0.0125	mg/L		01/23/15 11:36	01/26/15 13:11	1

Lab Sample ID: 600-105334-1 MS

Matrix: Water

Analysis Batch: 154564

Client Sample ID: FT1001

Prep Type: TCLP

Prep Batch: 154421

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	Dil Fac
	Result	Qualifier	Added	Result	Qualifier					
Arsenic	0.0328	U	10.0	10.70		mg/L		107	75 - 125	
Barium	0.115	J	10.0	10.96		mg/L		108	75 - 125	
Cadmium	0.00350	U	5.00	5.097		mg/L		102	75 - 125	
Chromium	0.0155	U	10.0	9.825		mg/L		98	75 - 125	
Lead	0.0290	U	10.0	10.22		mg/L		102	75 - 125	
Selenium	0.0417	U	10.0	10.89		mg/L		109	75 - 125	
Silver	0.0125	U	5.00	5.047		mg/L		101	75 - 125	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-154524/7-A

Matrix: Water

Analysis Batch: 154606

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 154524

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		01/26/15 07:54	01/26/15 14:06	1

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . . - Houston

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 600-154524/8-A ^50

Matrix: Water

Analysis Batch: 154606

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Mercury	0.153	0.1409		mg/L		92	70 - 130

Lab Sample ID: LB 600-154371/1-F

Matrix: Water

Analysis Batch: 154606

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		01/26/15 07:54	01/26/15 14:36	1

Lab Sample ID: LB 600-154373/1-F

Matrix: Water

Analysis Batch: 154606

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.0000820	U	0.000200	0.0000820	mg/L		01/26/15 07:54	01/26/15 14:10	1

Lab Sample ID: 600-105334-1 MS

Matrix: Water

Analysis Batch: 154606

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Mercury	0.0000820	U	0.00300	0.003277		mg/L		109	75 - 125

Method: 7.4.4 - Reactive Sulfide

Lab Sample ID: MB 600-154568/1-A

Matrix: Water

Analysis Batch: 154591

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sulfide, Reactive	1.40	U	50.0	1.40	mg/L		01/26/15 09:50	01/26/15 14:00	1

Lab Sample ID: LCS 600-154568/3-A

Matrix: Water

Analysis Batch: 154591

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Sulfide, Reactive	1000	1910		mg/L		191	0 - 200

Lab Sample ID: 600-105334-1 MS

Matrix: Water

Analysis Batch: 154591

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Sulfide, Reactive	20.0	J	1000	1660		mg/L		164	0 - 200

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Method: 7.4.4 - Reactive Sulfide (Continued)

Lab Sample ID: 600-105334-1 DU

Matrix: Water

Analysis Batch: 154591

Client Sample ID: FT1001

Prep Type: Total/NA

Prep Batch: 154568

RPD

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Sulfide, Reactive	20.0	J	1.40	U	mg/L		NC	20

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 600-154568/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154590

Prep Batch: 154568

RPD

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cyanide, Reactive	0.0397	U	0.250	0.0397	mg/L		01/26/15 09:50	01/26/15 14:21	1

Lab Sample ID: LCS 600-154568/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154590

Prep Batch: 154568

RPD

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Cyanide, Reactive	1000	88.21		mg/L		9	0 - 200

Lab Sample ID: 600-105334-1 MS

Client Sample ID: FT1001

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154590

Prep Batch: 154568

RPD

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Cyanide, Reactive	0.0397	U	1000	115.6		mg/L		12	0 - 200

Lab Sample ID: 600-105334-1 DU

Client Sample ID: FT1001

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 154590

Prep Batch: 154568

RPD

Analyte	Sample	Sample	Spike	DU	DU	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Cyanide, Reactive	0.0397	U	1000	0.0397	U	mg/L		NC	20

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-223146/6

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 223146

RPD

Analyte	Sample	Sample	Spike	DU	DU	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Halogens, Total Organic	0.0150	U	0.0300	0.0150		mg/L		12	0 - 18

Lab Sample ID: LCS 490-223146/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 223146

RPD

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
	Added	Result	Qualifier				
Halogens, Total Organic	0.250	0.2300		mg/L		92	90 - 110

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: 9020B - Organic Halides, Total (TOX) (Continued)

Lab Sample ID: LCSD 490-223146/5

Matrix: Water

Analysis Batch: 223146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Halogens, Total Organic	0.250	0.2359		mg/L		94	90 - 110	3	20

Method: 9040B - Corrosivity as pH

Lab Sample ID: LCS 600-154609/26

Matrix: Water

Analysis Batch: 154609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
pH	7.00	7.040		SU		101	99 - 101

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 600-154336/1

Matrix: Water

Analysis Batch: 154336

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	2.00	U	2.00	2.00	mg/L			01/22/15 06:33	1

Lab Sample ID: LCS 600-154336/2

Matrix: Water

Analysis Batch: 154336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Total Suspended Solids	1200	1228		mg/L		102	90 - 110

Method: SW846 Ch. 7 - Ignitability

Lab Sample ID: MB 600-154603/1

Matrix: Water

Analysis Batch: 154603

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>186		1.00	1.00	Degrees F			01/26/15 11:10	1

Lab Sample ID: LCS 600-154603/2

Matrix: Water

Analysis Batch: 154603

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Flashpoint	81.0	80.00		Degrees F		99	96.9 - 103.

TestAmerica Houston

QC Sample Results

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Method: SW846 Ch. 7 - Ignitability (Continued)

Lab Sample ID: 600-105334-1 DU

Matrix: Water

Analysis Batch: 154603

Client Sample ID: FT1001

Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Flashpoint	>186		>186		Degrees F		NC	20

QC Association Summary

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . .– Houston

GC/MS VOA

Analysis Batch: 244176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	8260B	244190
LB 400-244190/1-A	Method Blank	TCLP	Water	8260B	244190
LCS 400-244176/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-244176/4	Method Blank	Total/NA	Water	8260B	

Leach Batch: 244190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	1311	
LB 400-244190/1-A	Method Blank	TCLP	Water	1311	

Analysis Batch: 244209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	8260B	
LCS 400-244209/1002	Lab Control Sample	Total/NA	Water	8260B	
MB 400-244209/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Leach Batch: 154371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	1311	
600-105334-1 MS	FT1001	TCLP	Water	1311	
LB 600-154371/1-C	Method Blank	TCLP	Water	1311	

Prep Batch: 154418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	3510C	154371
600-105334-1 MS	FT1001	TCLP	Water	3510C	154371
LB 600-154371/1-C	Method Blank	TCLP	Water	3510C	154371
LCS 600-154418/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-154418/1-A	Method Blank	Total/NA	Water	3510C	

Prep Batch: 154475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	3510C	
LCS 600-154475/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-154475/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 154518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	8270C	154418
600-105334-1 MS	FT1001	TCLP	Water	8270C	154418
LB 600-154371/1-C	Method Blank	TCLP	Water	8270C	154418
LCS 600-154418/2-A	Lab Control Sample	Total/NA	Water	8270C	154418
MB 600-154418/1-A	Method Blank	Total/NA	Water	8270C	154418

Analysis Batch: 154519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	8270C	154475
LCS 600-154475/2-A	Lab Control Sample	Total/NA	Water	8270C	154475

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

GC/MS Semi VOA (Continued)

Analysis Batch: 154519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-154475/1-A	Method Blank	Total/NA	Water	8270C	154475

GC Semi VOA

Leach Batch: 154371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	1311	
600-105334-1 MS	FT1001	TCLP	Water	1311	
LB 600-154371/1-D	Method Blank	TCLP	Water	1311	
LB 600-154371/1-E	Method Blank	TCLP	Water	1311	

Prep Batch: 154391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	TX_1005_W_Pr ep	
LCS 600-154391/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Pr ep	
MB 600-154391/1-A	Method Blank	Total/NA	Water	TX_1005_W_Pr ep	

Prep Batch: 154413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	3510C	
LCS 600-154413/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-154413/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 154430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	TX 1005	154391
LCS 600-154391/2-A	Lab Control Sample	Total/NA	Water	TX 1005	154391
MB 600-154391/1-A	Method Blank	Total/NA	Water	TX 1005	154391

Prep Batch: 154476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	8151A	154371
600-105334-1	FT1001	Total/NA	Water	8151A	
600-105334-1 MS	FT1001	TCLP	Water	8151A	154371
LB 600-154371/1-D	Method Blank	TCLP	Water	8151A	154371
LCS 600-154476/2-A	Lab Control Sample	Total/NA	Water	8151A	
MB 600-154476/1-A	Method Blank	Total/NA	Water	8151A	

Prep Batch: 154486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	3510C	154371
600-105334-1 MS	FT1001	TCLP	Water	3510C	154371
LB 600-154371/1-E	Method Blank	TCLP	Water	3510C	154371
LCS 600-154486/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-154486/1-A	Method Blank	Total/NA	Water	3510C	

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TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

GC Semi VOA (Continued)

Analysis Batch: 154546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	8081A	154486
600-105334-1 MS	FT1001	TCLP	Water	8081A	154486
LB 600-154371/1-E	Method Blank	TCLP	Water	8081A	154486
LCS 600-154486/2-A	Lab Control Sample	Total/NA	Water	8081A	154486
MB 600-154486/1-A	Method Blank	Total/NA	Water	8081A	154486

Analysis Batch: 154552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	8151A	154476
600-105334-1	FT1001	Total/NA	Water	8151A	154476
600-105334-1 MS	FT1001	TCLP	Water	8151A	154476
LB 600-154371/1-D	Method Blank	TCLP	Water	8151A	154476
LCS 600-154476/2-A	Lab Control Sample	Total/NA	Water	8151A	154476
MB 600-154476/1-A	Method Blank	Total/NA	Water	8151A	154476

Analysis Batch: 154605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	8081A	154413
LCS 600-154413/2-A	Lab Control Sample	Total/NA	Water	8081A	154413
MB 600-154413/1-A	Method Blank	Total/NA	Water	8081A	154413

Metals

Leach Batch: 154371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	1311	
600-105334-1 MS	FT1001	TCLP	Water	1311	
LB 600-154371/1-B	Method Blank	TCLP	Water	1311	
LB 600-154371/1-F	Method Blank	TCLP	Water	1311	

Leach Batch: 154373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 600-154373/1-F	Method Blank	TCLP	Water	1311	

Prep Batch: 154421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	3010A	154371
600-105334-1 MS	FT1001	TCLP	Water	3010A	154371
LB 600-154371/1-B	Method Blank	TCLP	Water	3010A	154371
LCS 600-154421/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-154421/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 154524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	7470A	154371
600-105334-1 MS	FT1001	TCLP	Water	7470A	154371
LB 600-154371/1-F	Method Blank	TCLP	Water	7470A	154371
LB 600-154373/1-F	Method Blank	TCLP	Water	7470A	154373
LCS 600-154524/8-A ^50	Lab Control Sample	Total/NA	Water	7470A	
MB 600-154524/7-A	Method Blank	Total/NA	Water	7470A	

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Metals (Continued)

Analysis Batch: 154564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	6010B	154421
600-105334-1 MS	FT1001	TCLP	Water	6010B	154421
LB 600-154371/1-B	Method Blank	TCLP	Water	6010B	154421
LCS 600-154421/2-A	Lab Control Sample	Total/NA	Water	6010B	154421
MB 600-154421/1-A	Method Blank	Total/NA	Water	6010B	154421

Analysis Batch: 154606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	TCLP	Water	7470A	154524
600-105334-1 MS	FT1001	TCLP	Water	7470A	154524
LB 600-154371/1-F	Method Blank	TCLP	Water	7470A	154524
LB 600-154373/1-F	Method Blank	TCLP	Water	7470A	154524
LCS 600-154524/8-A ^50	Lab Control Sample	Total/NA	Water	7470A	154524
MB 600-154524/7-A	Method Blank	Total/NA	Water	7470A	154524

Prep Batch: 222852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	3010A	
LCS 490-222852/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 490-222852/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
MB 490-222852/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 222914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	6010B	222852
LCS 490-222852/2-A	Lab Control Sample	Total/NA	Water	6010B	222852
LCSD 490-222852/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	222852
MB 490-222852/1-A	Method Blank	Total/NA	Water	6010B	222852

General Chemistry

Analysis Batch: 112105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	D1796	

Analysis Batch: 154336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	SM 2540D	
LCS 600-154336/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 600-154336/1	Method Blank	Total/NA	Water	SM 2540D	

Prep Batch: 154568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	7.3.4	
600-105334-1 DU	FT1001	Total/NA	Water	7.3.4	
600-105334-1 MS	FT1001	Total/NA	Water	7.3.4	
600-105334-1 MS	FT1001	Total/NA	Water	7.3.4	
LCS 600-154568/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
LCS 600-154568/3-A	Lab Control Sample	Total/NA	Water	7.3.4	
MB 600-154568/1-A	Method Blank	Total/NA	Water	7.3.4	

TestAmerica Houston

QC Association Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

General Chemistry (Continued)

Analysis Batch: 154590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	9012	154568
600-105334-1 DU	FT1001	Total/NA	Water	9012	154568
600-105334-1 MS	FT1001	Total/NA	Water	9012	154568
LCS 600-154568/2-A	Lab Control Sample	Total/NA	Water	9012	154568
MB 600-154568/1-A	Method Blank	Total/NA	Water	9012	154568

Analysis Batch: 154591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	7.4.4	154568
600-105334-1 DU	FT1001	Total/NA	Water	7.4.4	154568
600-105334-1 MS	FT1001	Total/NA	Water	7.4.4	154568
LCS 600-154568/3-A	Lab Control Sample	Total/NA	Water	7.4.4	154568
MB 600-154568/1-A	Method Blank	Total/NA	Water	7.4.4	154568

Analysis Batch: 154603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	SW846 Ch. 7	
600-105334-1 DU	FT1001	Total/NA	Water	SW846 Ch. 7	
LCS 600-154603/2	Lab Control Sample	Total/NA	Water	SW846 Ch. 7	
MB 600-154603/1	Method Blank	Total/NA	Water	SW846 Ch. 7	

Analysis Batch: 154609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	9040B	
LCS 600-154609/26	Lab Control Sample	Total/NA	Water	9040B	

Analysis Batch: 223146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-105334-1	FT1001	Total/NA	Water	9020B	
LCS 490-223146/4	Lab Control Sample	Total/NA	Water	9020B	
LCSD 490-223146/5	Lab Control Sample Dup	Total/NA	Water	9020B	
MB 490-223146/6	Method Blank	Total/NA	Water	9020B	

Lab Chronicle

Client: CB&I Federal Services LLC
 Project/Site: CB&I Federal Services LLC . .– Houston

TestAmerica Job ID: 600-105334-1

Client Sample ID: FT1001

Date Collected: 01/20/15 09:45

Date Received: 01/20/15 12:07

Lab Sample ID: 600-105334-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			5 g	5 mL	244190	01/21/15 18:00	CLN	TAL PEN
TCLP	Analysis	8260B		5	5 mL	5 mL	244176	01/24/15 15:54	CLN	TAL PEN
Total/NA	Analysis	8260B		5	5 mL	5 mL	244209	01/25/15 19:23	CLN	TAL PEN
TCLP	Leach	1311			1.0 g	1.0 mL	154371	01/22/15 17:32	RT1	TAL HOU
TCLP	Prep	3510C			200 mL	1.0 mL	154418	01/23/15 17:31	LER	TAL HOU
TCLP	Analysis	8270C		10	200 mL	1.0 mL	154518	01/26/15 12:01	MBB	TAL HOU
Total/NA	Prep	3510C			250 mL	8.0 mL	154475	01/23/15 17:41	LER	TAL HOU
Total/NA	Analysis	8270C		50	250 mL	8.0 mL	154519	01/26/15 18:12	TTD	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	154371	01/22/15 17:32	RT1	TAL HOU
TCLP	Prep	3510C			200 mL	10.0 mL	154486	01/24/15 09:26	LER	TAL HOU
TCLP	Analysis	8081A		1	200 mL	10.0 mL	154546	01/26/15 11:42	JAL	TAL HOU
Total/NA	Prep	3510C			250 mL	5.0 mL	154413	01/23/15 11:10	LER	TAL HOU
Total/NA	Analysis	8081A		10	250 mL	5.0 mL	154605	01/26/15 20:32	JAL	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	154371	01/22/15 17:32	RT1	TAL HOU
TCLP	Prep	8151A			200 mL	5.0 mL	154476	01/23/15 18:06	LER	TAL HOU
TCLP	Analysis	8151A		1	200 mL	5.0 mL	154552	01/26/15 18:39	JAL	TAL HOU
Total/NA	Prep	8151A			1010 mL	5.0 mL	154476	01/23/15 18:06	LER	TAL HOU
Total/NA	Analysis	8151A		10	1010 mL	5.0 mL	154552	01/26/15 16:49	JAL	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			30.81 mL	3.00 mL	154391	01/23/15 08:52	NVP	TAL HOU
Total/NA	Analysis	TX 1005		20	30.81 mL	3.00 mL	154430	01/23/15 15:18	JPS	TAL HOU
TCLP	Leach	1311			1.0 g	1.0 mL	154371	01/22/15 17:32	RT1	TAL HOU
TCLP	Prep	3010A			5 mL	50 mL	154421	01/23/15 11:36	NER	TAL HOU
TCLP	Analysis	6010B		1	5 mL	50 mL	154564	01/26/15 13:21	DCL	TAL HOU
Total/NA	Prep	3010A			50 mL	50 mL	222852	01/25/15 10:09	ADN	TAL NSH
Total/NA	Analysis	6010B		50	50 mL	50 mL	222914	01/26/15 00:27	ADN	TAL NSH
TCLP	Leach	1311			1.0 g	1.0 mL	154371	01/22/15 17:32	RT1	TAL HOU
TCLP	Prep	7470A			40 mL	40 mL	154524	01/26/15 07:54	SCG	TAL HOU
TCLP	Analysis	7470A		1	40 mL	40 mL	154606	01/26/15 14:39	SCG	TAL HOU
Total/NA	Prep	7.3.4			10 mL	250 mL	154568	01/26/15 09:50	MJB	TAL HOU
Total/NA	Analysis	7.4.4		1	10 mL	250 mL	154591	01/26/15 14:00	KRD	TAL HOU
Total/NA	Prep	7.3.4			10 mL	250 mL	154568	01/26/15 09:50	MJB	TAL HOU
Total/NA	Analysis	9012		1	10 mL	250 mL	154590	01/26/15 14:22	KRD	TAL HOU
Total/NA	Analysis	9020B		20			223146	01/26/15 09:18	JAB	TAL NSH
Total/NA	Analysis	9040B		1		50 mL	154609	01/26/15 13:00	MJB	TAL HOU
Total/NA	Analysis	D1796		1	50 mL	50 mL	112105	01/26/15 17:05	EDR	TAL CC
Total/NA	Analysis	SM 2540D		1	100 mL	500 mL	154336	01/22/15 06:33	AYS	TAL HOU
Total/NA	Analysis	SW846 Ch. 7		1			154603	01/26/15 11:10	MJB	TAL HOU

Laboratory References:

TAL CC = TestAmerica Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TestAmerica Houston

Certification Summary

Client: CB&I Federal Services LLC

Project/Site: CB&I Federal Services LLC . . - Houston

TestAmerica Job ID: 600-105334-1

Laboratory: TestAmerica Houston

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704223	10-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7.4.4	7.3.4	Water	Sulfide, Reactive
8270C	3510C	Water	3 & 4 Methylphenol
9012	7.3.4	Water	Cyanide, Reactive
TX 1005	TX_1005_W_Prep	Water	>C12-C28
TX 1005	TX_1005_W_Prep	Water	>C28-C35
TX 1005	TX_1005_W_Prep	Water	C6-C12

Laboratory: TestAmerica Corpus Christi

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704210	03-31-15

Laboratory: TestAmerica Nashville

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704077	08-31-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3010A	Water	Sulfur

Laboratory: TestAmerica Pensacola

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40150	06-30-15
Arizona	State Program	9	AZ0710	01-11-16
Arkansas DEQ	State Program	6	88-0689	09-01-15
Florida	NELAP	4	E81010	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200041	10-09-15
Iowa	State Program	7	367	07-31-16
Kansas	NELAP	7	E-10253	03-31-15
Kentucky (UST)	State Program	4	53	06-30-15
Kentucky (WW)	State Program	4	98030	12-31-15
Louisiana	NELAP	6	30976	06-30-15
Maryland	State Program	3	233	09-30-15
Massachusetts	State Program	1	M-FL094	06-30-15
Michigan	State Program	5	9912	06-30-15
New Jersey	NELAP	2	FL006	06-30-15
North Carolina (WW/SW)	State Program	4	314	12-31-15
Oklahoma	State Program	6	9810	08-31-15
Pennsylvania	NELAP	3	68-00467	01-31-16
Rhode Island	State Program	1	LAO00307	12-30-15
South Carolina	State Program	4	96026	06-30-15
Tennessee	State Program	4	TN02907	06-30-15

Certification Summary

Client: CB&I Federal Services LLC

TestAmerica Job ID: 600-105334-1

Project/Site: CB&I Federal Services LLC . .– Houston

Laboratory: TestAmerica Pensacola (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Texas	NELAP	6	T104704286-12-5	09-30-15
USDA	Federal		P330-13-00193	07-01-16
Virginia	NELAP	3	460166	06-14-15
West Virginia DEP	State Program	3	136	06-30-15

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TestAmerica Houston

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica
TESTING
SOLVING CHALLENGES



Client Information

Client Contact: *Cassidy Cassidey*

Company: CBA Federal Services LLC

Address: PO BOX 98519

City: Baton Rouge

State, Zip: LA 70884

Phone: 469-446-8408

Email: jeroy.cassidey@CBIFederalServices.com

CB&I Federal Services LLC - Houston

Site: *Test 1001*

CCOC No: 600-32414-10868.1

Page: Page

Job #:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil, Tissue, Air, etc.)	Preservation Codes												Special Instructions/Note:
					N	N	N	N	N	N	N	N	N	N	N	N	
Test 1001	1/20/2015	08:15	C	Water	X	X	X	X	X	X	X	X	X	X	X	X	TSS, % Water
																	Total Pesticide
																	Total SVOA
																	Total Metals + Sulphur
																	Total VOA
																	TPH, TOX
																	TCLP Pesticide
																	TCLP SVOA
																	TCLP Metals
																	TCLP Herbicide
																	Pesticide, Sample MISCELLANEOUS OR NG
																	Other:

Possible Hazard Identification

Non-Hazard

Flammable

Irritant

Poison A

Unknown

Pathological

Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:

John

Date/Time:

1/20/15 11:24

Company:

John

Date/Time:

1/20/15 12:07

Company:

Sample Receipt Checklist

Date/Time Received:

CB&I

JOB NUMBER:

CLIENT:

UNPACKED BY:

CARRIER/DRIVER:

Custody Seal Present:

 YES NO

Number of Coolers Received:

2

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Them CF	Corrected Temp (°C)
WT13C	Y / N	Y / N	-9	645	-3	-6
WT13C	Y / N	Y / N	1.2	645	-3	-9
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? YES NOLABORATORY PRESERVATION OF SAMPLES REQUIRED: NO YESBase samples are >pH 12: YES NO Acid preserved are <pH 2: YES NO

pH paper Lot #: _____

VOA headspace acceptable (5-6mm): YES NO NA

YES NO

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?

COMMENTS:

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-105334-1

Login Number: 105334

List Source: TestAmerica Houston

List Number: 1

Creator: Crafton, Tommie S

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6 0.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-105334-1

Login Number: 105334

List Source: TestAmerica Corpus Christi

List Number: 4

List Creation: 01/23/15 05:33 PM

Creator: Rood, Vivian R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	Obs 1.1°C Cr. .7°C IR4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-105334-1

Login Number: 105334

List Source: TestAmerica Nashville

List Number: 2

List Creation: 01/23/15 11:40 AM

Creator: Gambill, Shane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: CB&I Federal Services LLC

Job Number: 600-105334-1

Login Number: 105334

List Source: TestAmerica Pensacola

List Number: 3

List Creation: 01/23/15 11:56 AM

Creator: Crawford, Lauren E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.6°C IR-2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	